

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 1 Q: Mops, ovals, bamboo, flats, synthetic filament, and camel hair are types of what implements used by painters?  
A: brushes
- 2 Q: Sponges belong to what biological kingdom?  
A: animal (Animalia)
- 3 Q: Bandages that are clean and free of anything capable of reproduction are medically described as being what?  
A: sterile
- 4 Q: The minute hand of a clock moves 240 degrees in how many minutes?  
A: 40
- 5 Q: What is the maximum number of axes around which an object can rotate at one time?  
A: one
- 6 Q: These people were from what country?  
Vasco da Gama  
Ferdinand Magellan  
Henry the Navigator  
Juan Cabrillo  
Bartholomeu Dias  
A: Portugal
- 7 Q: What Italian volcano that erupted in 1906 also devastated Herculaneum and Pompeii in 79 A.D.?  
A: Mount Vesuvius
- 8 Q: Electrically speaking, substances with high resistance have low what?  
A: conductivity (or conductance)
- 9 Q: Tao is what kind of cat in Shelia Burnford's story, "The Incredible Journey"?  
A: Siamese cat
- 10 Q: This quote is about what country?  
Driven from every other corner of the earth,  
freedom of thought and the right of private  
judgment in matters of conscience direct  
their course to this happy country as their  
last asylum.  
A: America
- 11 Q: Spell the plural of "axis."  
A: axes
- 12 Q: The phrase meaning to be completely truthful with a law enforcement officer or to confess to a crime is "to come" how?  
A: clean

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 13 Q: What is the antecedent of the second pronoun in this line?  
Boys are beyond the range of anybody's sure understanding, at least when they are between the ages of 18 months and 90 years.
- A: boys
- 14 Q: A glacial stream may be supraglacial if it is on a glacier or englacial if it is within a glacier. What corresponding adjective indicates that it is beneath a glacier?
- A: subglacial
- 15 Q: In the novel "Freaky Friday", where does Annabel Andrews find herself when she awakens one Friday morning?
- A: in her mom's body
- 16 Q: The two most common zoological emblems of China are the dragon and what mammal?
- A: panda (giant panda)
- 17 Q: Name the cloth worn around a cowboy's neck as protection against winds, rain, and sunburn.
- A: bandanna (neckerchief, kerchief)
- 18 Q: One beaker is half full of alcohol and another twice its size is one fourth full of alcohol. Both beakers are filled with water and their contents are poured into a third container. What fraction of the mixture is alcohol?
- A:  $\frac{1}{3}$
- 19 Q: According to Mother Goose, all the monarch's equines and all the monarch's male Homo sapiens could not reassemble whom?
- A: Humpty Dumpty
- 20 Q: In the Old West, an inexperienced person working on a ranch was often referred to as a greenhorn or what kind of foot?
- A: tenderfoot
- 21 Q: These are topics in the history of what country?  
Bhimbetka rock shelters in Madhya Pradesh  
Harappa and Mohenjo-Daro  
Vedic Culture  
Jainism  
Mauryan Empire  
Gupta Empire  
Mughal Empire  
Jawaharlal Nehru
- A: India
- 22 Q: Name the only month during which the Moon does not go through a complete phase cycle.
- A: February
- 23 Q: What fictional villain utters these words?  
It is a princely scheme. We will seize the children and carry them to the boat. The boys we will make walk the plank, and Wendy shall be our mother.
- A: Captain Hook

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

24 Q: What crab that is related to spiders and scorpions has a shape reminiscent of footgear for an equine?

A: horseshoe crab

25 Q: In 2019, fire severely damaged what famed structure on the Ile de la Cite in Paris?

A: Notre Dame

26 Q: Name either of the two rivers that are the settings for folk tales about Mike Fink.

A: Mississippi, Ohio

27 Q: What is the total number of senators who represent these states?

Georgia  
Nevada  
Kansas  
North Dakota  
New Mexico  
West Virginia

A: 12

28 Q: The incredible shrinking woman is X feet tall today. Algebraically represent her height in feet six weeks ago when she was forty-eight inches taller.

A:  $X+4$

29 Q: What is the cube of 23?

A: 12167

30 Q: What is the most common synonym for "buccaneer"?

A: pirate

31 Q: Express as a binary numeral the duration of a Greek Olympiad.

A: 100

32 Q: Precipitation is that stage of what cycle during which water is returned to the Earth's surface?

A: hydrologic cycle

33 Q: What U.S. senator from Arizona spent five years as a prisoner of war in Vietnam?

A: John McCain

34 Q: From what novel was this excerpt taken?

That fool of a fairy Lucinda did not intend to lay a curse on me. She meant to bestow a gift. The fairy touched my nose and said, "My gift is obedience. Ella will always be obedient."

A: Ella Enchanted

35 Q: Jack and Jill left base camp at 5 a.m. to climb the 7500-foot Mount Auk. They gained altitude at the rate of 220 feet per hour and at 8 a.m. were at the 6400-foot level. What was the base camp elevation?

A: 5740 feet

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

36 Q: What NASA program fulfilled this goal set by President Kennedy?

I believe that this nation should commit itself to achieving the goal before this decade is out of landing a man on the Moon and returning him safely to Earth.

A: Apollo Program

37 Q: What that is found on all mammals is modified into quills on porcupines?

A: hair

38 Q: What story by Hans Christian Andersen is about the Chinese emperor and the beautiful melody of a songbird?

A: The Nightingale

39 Q: A ship sailing due west from Angola will first come to what country?

A: Brazil

40 Q: There are more kinds of these than of all other living species put together. They are smaller than most other single-celled forms and are found wherever living things exist. They are in the soil, air, lakes, streams, and oceans, on our floors, walls, furniture, skin, and in our mouths and intestines. Name this life form.

A: bacteria

41 Q: What is x if four times x exceeds 15 by x?

A: 5

42 Q: What kind of art consists of pieces of pottery, glass, shells, or stones?

A: mosaics

43 Q: The most significant invention that gave birth to the Industrial Revolution was what kind of engine?

A: steam engine

44 Q: Express this ratio in lowest terms.

2 years to 4 months

A: 6 to 1

45 Q: What name begins this limerick?

---- was Queen of the Nile;  
She made Caesar weak-kneed with her smile.  
She revealed all her charms  
In Mark Antony's arms,  
But a clasp with an asp cramped her style.

A: Cleopatra

46 Q: Compact fluorescent lights usually contain what harmful metal that can separate into tiny beads if the lights are broken?

A: mercury

47 Q: What kind of skeletons do insects have?

A: exoskeletons (chitinous exoskeletons)

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 48 Q: In what kind of engine is the exhaust formed entirely from propellants carried within the vehicle?  
A: rocket
- 49 Q: What city is on the southern shore of the strait called the Golden Gate?  
A: San Francisco
- 50 Q: Most species of lizard have how many clawed toes on each foot?  
A: 5
- 51 Q: In 1803, the U.S. offered Napoleon 60 million francs or \$15 million for the Louisiana territory. At that time, one franc was worth how many cents?  
A: 25 cents
- 52 Q: The same Frenchman who developed a treatment to slow down the bacterial contamination of milk and wine also created the first vaccine for what often fatal viral disease transmitted by the bite of infected animals?  
A: rabies
- 53 Q: What is the official language of Jamaica?  
A: English
- 54 Q: What method of separating solid materials from a liquid mixture is illustrated by the use of a kitchen colander or sieve?  
A: filtration
- 55 Q: Deoxygenated blood is removed from what organ by the great cardiac, middle cardiac, small cardiac, and anterior cardiac veins?  
A: heart
- 56 Q: How many 100-watt bulbs burning for one hour does it take to use one kilowatt-hour of electricity?  
A: 10
- 57 Q: This account is from what novel?  
I called her name. She made no movement.  
With the last ounce of strength in her body,  
she had dragged herself to the grave of Old Dan.  
A: Where the Red Fern Grows
- 58 Q: What is the occupation of a person who regularly says things like these?  
We have a 10-59 on 325th and Portland.  
I need a 10-15 on Ohio plate WCN 4461.  
A 10-31 is in progress at 931 W. 19th.  
A: police officer (policeman, dispatcher)
- 59 Q: Which chess piece can be moved as far as a player likes in any direction?  
A: queen
- 60 Q: What are the freezing and boiling points on a Celsius thermometer?  
A: 0, 100 degrees

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 61 Q: In the year 1260, Kublai Khan founded the Yuan Dynasty in what country?  
A: China
- 62 Q: What river flows out of Colorado and down the length of New Mexico from north to south?  
A: Rio Grande
- 63 Q: What river drains Utah's Great Salt Lake?  
A: none
- 64 Q: Who ate these guys?  
Goosey Loosey  
Henny Penny  
Ducky Lucky  
A: Foxy Loxy
- 65 Q: The French Revolution occurred during what century?  
A: 18th century (1700s)
- 66 Q: How does this proverb usually end?  
He laughs best who laughs least.  
A: ... laughs last
- 67 Q: The airship developed by Count Ferdinand von Zeppelin was vulnerable to explosion because it was filled with what gas?  
A: hydrogen
- 68 Q: What do Americans call the number that in Britain is one thousand million?  
A: one billion
- 69 Q: In Britain, they call 10 to the 12th power one billion, but in the U.S., that number is called what?  
A: one trillion
- 70 Q: The history of what U.S. state dates back to about 14,000 BC when Siberian people crossed the Bering land bridge into the region?  
A: Alaska
- 71 Q: What is the volume of a block with dimensions of 1, 3, and 12 inches?  
A: 36 cubic inches
- 72 Q: Theodore Roosevelt supported a revolution that resulted in what country being formed from a region formerly belonging to Colombia?  
A: Panama
- 73 Q: What adage illustrating metonymy means that the written word is more powerful than military aggression and force?  
A: The pen is mightier than the sword.
- 74 Q: What molecule comprises the greatest percentage of protoplasm?  
A: water

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

75 Q: They can release a discharge of more than 500 volts at 2 amps in a fraction of a second, but it takes them almost an hour to recharge their "batteries." Name these fish of the Amazon.

A: electric eels

76 Q: What kind of worlds are these?

Lloyd Alexander's Pridain  
Katherine Paterson's Terabithia  
J.R.R. Tolkien's Middle-earth  
J.M. Barrie's Neverland  
L. Frank Baum's Oz

A: fantasy (constructed) worlds

77 Q: What part of speech is the word immediately preceding "walk" in this example?  
They left on a leisurely walk.

A: adjective

78 Q: What mountain range was home to the Incas?

A: Andes

79 Q: This is from what American short story?  
On mounting a rising ground, which brought the figure of his fellow-traveler in relief against the sky, gigantic in height, and muffled in a cloak, Ichabod was horror-struck on perceiving that he was headless!

A: The Legend of Sleepy Hollow

80 Q: If the ratio of Venusians to Martians in a flying teapot is 2 to 3 and there are 36 Martians, how many Venusians are there?

A: 24

81 Q: These are the names of what kind of structures in the body?  
bicuspid, cuspid, incisor, molar

A: teeth

82 Q: What four-word slogan of the 1770s means that whatever the nature of a tax, whether internal or external, whether designed to raise revenue or to control trade, it could not be levied without consent of the colonists themselves?

A: No taxation without representation.

83 Q: This acrostic is about whom?

He hated the Jews  
Is known as a devil  
Tortured anyone in his way  
Led the way of the Nazis  
Endured everyone's hatred  
Ruled most parts of Europe

A: Hitler

84 Q: What is the speed of a bullet that travels 528 meters in 4 seconds?

A: 132 meters per second

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 85 Q: These are examples of what nonfictional literary form?  
Bill Cosby: America's Most Famous Father  
Charles Darwin: Revolutionary Biologist  
Lost Star: The Story of Amelia Earhart
- A: biographies
- 86 Q: What enormous island mostly north of the Arctic Circle is a self-governing part of Denmark?
- A: Greenland
- 87 Q: There are fifty snakes on Medusa's head. Ten are pythons and the rest are rattlers. What is the ratio of rattlers to pythons?
- A: 4 to 1
- 88 Q: To make the superlative form of one-syllable regular adjectives ending in the letter "e", you should add what?
- A: st
- 89 Q: What region in New York was named after the Dutch settler, Jonas Bronck?
- A: Bronx
- 90 Q: No discoverer in the world's history had such success, even though he never found what he first sought. No navigator save Magellan or da Gama may be compared with him for courage and persistence. No other great benefactor was so ill rewarded. Name him.
- A: Christopher Columbus
- 91 Q: What official language is common to all of the countries in which these are capital cities?  
Tegucigalpa, Managua, Montevideo, Caracas,  
Quito, Lima
- A: Spanish
- 92 Q: What is the sum of  $2\frac{3}{4}$  and  $7\frac{3}{5}$ ?
- A:  $10\frac{7}{20}$
- 93 Q: The British Parliament consists of the House of Lords and the House of what?
- A: Commons
- 94 Q: "Sans" is French for what?
- A: without
- 95 Q: What color is in the name of the disorder resulting from the infectious inflammation of the conjunctiva, the thin clear covering of the white of the eye?
- A: pink (as in pink eye)
- 96 Q: In the Harry Potter stories, what fictional disease covers the victim in purple blisters and renders them unable to speak?
- A: spattergroit
- 97 Q: This is the prime factorization of what number?  
 $2 \times 3 \times 3 \times 2 \times 2$
- A: 72
- 98 Q: If you walk 60 meters in one minute and then 30 more meters in two minutes, in meters per second, what is your average speed?
- A: .5 meters per second

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

99 Q: Consider the sentence, "The man who won the Tour de France is Lance." In this case, "Lance" functions as a predicate what?

A: nominative

100 Q: What that can be made from the reaction of an alkali with animal fat makes water wetter and mixes with oil at the same time?

A: soap

101 Q: Unlike erosion which involves the movement of rocks and sediments to new locations, what is the term for the breaking down of rocks in place, with no appreciable movement?

A: weathering

102 Q: How many prepositional phrases are in this line?  
One hair of a woman can draw more  
than a hundred pair of oxen.

A: 2

103 Q: In an acute triangle, every angle must be less than how many degrees?

A: 90

104 Q: What pupil of Aristotle conquered most of the ancient world?

A: Alexander the Great

105 Q: Which continent has the smallest surface area?

A: Australia

106 Q: Who was billed as "the Rail Candidate" for president in 1860?

A: Abraham Lincoln

107 Q: The term "middorsal" pertains to the middle of what part of the body?

A: back

108 Q: Old Zeke had 486 cockroaches in his two-room cabin. If there were 50 more roaches in his kitchen than his bedroom, how many were in his bedroom?

A: 218

109 Q: During what part of the day are matinees usually offered?

A: afternoon (daytime)

110 Q: What is the meaning of the prefix in these words?  
chronobiology  
chronoscope  
chronometer  
chronological

A: time

111 Q: Round to the nearest 100 miles the distance from Los Angeles to San Francisco, which happens to equal 24.5 million inches.

A: 400 miles

112 Q: What one pronoun corrects this sentence?  
When a person telephones, they should use a  
pleasant voice.

A: he (she)

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

113 Q: Name the process of soaking meat in a flavored liquid prior to cooking.

A: marinating

114 Q: What mammal completes this verse?

I duck and dodge a snake's barrage.  
I'm too quick for snake strikes.  
And when it's time I sneak behind  
And land my own fierce bite.  
If you're afraid of snakes on parade  
Or king cobras on the loose.  
No need to fear, just have me near,  
I'm the fearless ...

A: mongoose

115 Q: Spell the female equivalent of the noun, "hero."

A: heroine

116 Q: Typically found on farms, what underground structures maintain foods at a low temperature and steady humidity to keep them from freezing in the winter and spoiling in the summer?

A: root cellars

117 Q: A new sea will be born in the rift valley of what continent that is currently being torn apart at the rate of about 16 millimeters per year?

A: Africa

118 Q: Most Paleolithic art is found on the walls of what?

A: caves

119 Q: What is the most fundamental cause of erosion?

A: gravity

120 Q: How many nouns are in this song verse?

Raindrops on roses and whiskers on kittens  
Bright copper kettles and warm woolen mittens  
Brown paper packages tied up with strings  
These are a few of my favorite things.

A: 10

121 Q: What term can refer to the flattened part of a moose antler, a type of tropical evergreen tree, or the inner surface of the hand?

A: palm

122 Q: The earthquake in what city in 1906 stimulated more research into the causes of earthquakes than any previous event?

A: San Francisco

123 Q: This is about what kind of massive floating body?

I was spawned from the glacier, a thousand  
miles due north beyond Cape Chidley;  
And the spawning, when my vast, wallowing  
bulk went under, emerged and heaved aloft,  
Shaking down cataracts from its rocking sides,  
with mountainous surge and thunder  
Outraged the silence of the Arctic sea.

A: iceberg

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

124 Q: These are bays of what U.S. state?

Apalachee Bay  
Sarasota Bay  
Biscayne Bay  
Pensacola Bay

A: Florida

125 Q: What is the name for an open space between a roof and a ceiling?

A: loft (attic, garret)

126 Q: These remarks are about what villain in the Harry Potter series?

-She is small-minded, cruel, a cat-lover,  
and very scary.  
-She is everything evil about the facelessness  
and heartlessness of bureaucracy.  
-She is willing to cross any number of lines  
in her thirst for power.

A: Professor Umbridge

127 Q: What proverb about a canine means the opposite of this one?

You're never too old to learn.

A: You can't teach an old dog new tricks.

128 Q: Anna and Caleb's mother dies, and their father places an ad for a wife in an eastern newspaper. Sarah, a lady from Maine replies. Sarah is described as being plain and what?

A: tall

129 Q: Correct this sentence.

He drives his bike too rapid.

A: He drives his bike too rapidly.

130 Q: A 6-ton cheddar was produced in New York for the 1937 state fair. How much in pounds did this big cheese weigh?

A: 12,000 pounds

131 Q: What is the reciprocal of .5?

A: 2

132 Q: This is a verse of what song?

My grandfather said, that of those he could  
hire, / Not a servant so faithful he found:  
For it wasted no time, and had but one desire,  
At the close of each week to be wound.  
And it kept in its place, not a frown upon its  
face, / And its hands never hung by its side;  
But it stopped short, never to go again,  
When the old man died.

A: (My) Grandfather's Clock

133 Q: What part of speech is the last word in this line?

I used to think I was indecisive, but now I am  
not sure.

A: adjective

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

134 Q: Name the larval stage in the life cycle of an amphibian.

A: tadpole (polliwog)

135 Q: They exhibit great variation in size, shape, and color. Some are bright and showy while others are small and inconspicuous. Name these specialized reproductive organs in plants.

A: flowers

136 Q: Ron is feeding two raccoons named Ralph and Royanna. Ralph consumes twice as much as Royanna. Together they eat 24 ounces of Ralston Raccoon Regimen each evening. How much does Ralph devour?

A: 16 ounces

137 Q: What river is the setting for Huckleberry Finn's adventures?

A: Mississippi

138 Q: If you stack five identical cubes on top of one another so that all the edges line up, including the base, that tower will have how many faces?

A: 6

139 Q: What kind of animals are these fictional creatures?

roc  
jubjub  
phoenix  
mockingjay

A: birds

140 Q: In 1890, Mississippi instituted a poll tax and literacy tests primarily as measures to restrict what minority group from voting?

A: blacks

141 Q: In 1908, the games of the fourth modern Olympiad were held in what city that is also the location of Tower Bridge, Madame Tussauds, the Royal Greenwich Observatory, and Westminster Abbey?

A: London

142 Q: Virgil and Wyatt rode off in opposite directions at speeds of 15 and 25 mph until they were 210 miles apart. How long did each brother ride?

A: 5.25 hours

143 Q: Many ancient Romans wore what loose one-piece outer garments?

A: togas (tunics)

144 Q: The majority of earthquakes are caused by the sudden movement of large blocks of the crust less than 70 kilometers from the surface along fracture lines called what?

A: faults

145 Q: It was a member of the cat family and had two long, sharp fangs which could slash through the skins of even the great mammoths. Name this extinct mammal.

A: saber-toothed tiger

146 Q: If you have an 8-tooth gear turning a 44-tooth gear, the shaft of the former must make how many revolutions to produce one revolution of the shaft of the latter?

A: 5.5

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

147 Q: What was the northeasternmost U.S. state during the Civil War?

A: Maine

148 Q: Stealth aircraft are designed to avoid detection by what technology?

A: radar

149 Q: You are trying to get to your classroom, but the halls are full of other students and you have to weave your way through them to reach your destination. This struggle illustrates what basic concept in electricity relating to electrons and conductors?

A: resistance

150 Q: The longest shadow will be cast by a flagpole when the angle between it and the light source is how many degrees?

A: 90

151 Q: These examples from various languages are what part of a letter?

Lieber Hermann  
Cher Mademoiselle l'Ambassadeur  
Dear Dr. Faustus

A: salutation

152 Q: This is from the opening of what story?

They soon know that they will grow up, and the way Wendy knew was this. One day when she was two years old she plucked another flower and ran with it to her mother. I suppose she must have looked rather delightful, for Mrs. Darling put her hand to her heart and cried, "Oh, why can't you remain like this for ever!"

A: Peter Pan

153 Q: Bread is one of the world's oldest foods. Originally, bread was flat, but the Egyptians were able to make the dough rise by adding what kind of unicellular fungus?

A: yeast

154 Q: These lines are from what novel set in Boston?

-The detested tea shipped for this Port by  
the East India Company is now arrived in  
the Harbour  
-Don't touch me with that dreadful hand!

A: Johnny Tremain

155 Q: Name the only species of penguin that breeds during the winter season in Antarctica.

A: emperor penguin

156 Q: According to the folksong, what does the guy sing all day who "went down south for to see my Sal"?

A: Polly Wolly Doodle

157 Q: Name the impervious coating of a vitreous substance that is fused through a ceramic body by firing.

A: glaze

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 158 Q: The suffixes in these words indicate they are what part of speech?  
animate, magnify, improvise, characterize
- A: verbs
- 159 Q: "The Little Prince" begins with a pilot working to repair his downed airplane in what desert?
- A: Sahara Desert
- 160 Q: What crime is committed in O. Henry's "The Ransom of Red Chief"?
- A: kidnapping
- 161 Q: What is the Greek prefix that means either "against" or "opposing"?
- A: anti-
- 162 Q: Change  $4\frac{2}{3}$  into a percentage.
- A: 466  $\frac{2}{3}$ %
- 163 Q: What homophone completes this sentence?  
Since there is no time like the present,  
she thought it was time to present the ...
- A: present
- 164 Q: What part of speech appears most frequently in this quote by Bacon?  
All governments are obscure and invisible.
- A: adjective
- 165 Q: Who is the famed sailor in "The Arabian Nights"?
- A: Sinbad
- 166 Q: Name the unit of time that comprises the space between two bars on a musical staff.
- A: measure
- 167 Q: Which of the Great Lakes has the greatest north-south dimension?
- A: Lake Michigan
- 168 Q: What word is in the third line of a word square if the first two words are "hope" and "opal" and the last word is "elms"?
- A: palm
- 169 Q: What is the principal tributary of the Mississippi River?
- A: Missouri River
- 170 Q: What is the meaning of the suffix in arachnophobia, claustrophobia, and zoophobia?
- A: fear
- 171 Q: If three silos can be filled with grain in 9 hours, what part of a silo is filled in 60 minutes?
- A:  $\frac{1}{3}$
- 172 Q: What is the meaning of the suffixes in these terms?  
eponym, tautonym, heteronym, pseudonym
- A: name

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 173 Q: What fantasy by Pauline Clarke tells how the toy soldiers that belonged to the Bronte children returned to their original and rightful home at Haworth?
- A: The Return of the Twelve
- 174 Q: Name the lightest element.
- A: hydrogen
- 175 Q: Aside from Antarctica, the human population is lowest on which continent?
- A: Australia
- 176 Q: To the nearest mph, determine the average speed of a vehicle that goes 240 miles in 6.2 hours.
- A: 39 mph
- 177 Q: Tristan da Cunha is the most remote inhabited archipelago in the world. Since it is 1500 miles from South Africa and 2000 miles from Argentina, it must lie in which ocean?
- A: Atlantic Ocean
- 178 Q: Laura Elizabeth Ingalls was born in the Big Woods of what state?
- A: Wisconsin
- 179 Q: Represent in simplest form the ratio of three nickels to one quarter.
- A: 3 to 5 (or 3/5)
- 180 Q: What is the main food of polar bears?
- A: seals
- 181 Q: In 133 BC, the Roman, Tiberius Gracchus, proposed redistributing the lands of the rich to the poor. This is somewhat reminiscent of what legendary British figure?
- A: Robin Hood
- 182 Q: What does the "S" mean for lotions labeled with an SPF factor?
- A: sun
- 183 Q: While bar magnets have their poles at opposite ends, what kind of magnet has the poles side by side?
- A: horseshoe magnet
- 184 Q: What is the term for the set of points joined to form a flat surface?
- A: plane
- 185 Q: Rarely consisting of more than six levels because the amount of energy passed on diminishes at each stage, what is the phrase for a food pathway that links different species in a community?
- A: food chain
- 186 Q: These works fall into what literary genre?  
The Lord of the Rings  
The Tale of Peter Rabbit  
Charlotte's Web  
The Wind in the Willows  
Harry Potter and the Sorcerer's Stone
- A: fantasy

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

187 Q: What color completes these cliches?  
talk till I'm ---- in the face  
once in a ---- moon

A: blue

188 Q: According to the proverb, what is it that beggars cannot be?

A: choosers

189 Q: What word could be used to replace the blank in each sentence?  
-It turned out to be a ---- alley.  
-We bought a window ----.  
-You have heard of ---- justice?

A: blind

190 Q: What compound word including "bread" refers to a region in which an enormous amount of grain is grown?

A: breadbasket

191 Q: Lisinopril is a drug used to reduce high blood pressure. But some people taking it also report diarrhea, dizziness, hives, headache, nausea, fever, and chills. What is the collective name for these undesirable consequences of taking this drug?

A: side effects

192 Q: Twenty-one centimeters is how many meters?

A: .21

193 Q: What personal pronoun is traditionally used when referring to oceangoing vessels?

A: she

194 Q: How would scientists classify these statements?  
-Radar bombardment of plants will increase their growth rate.  
-At least one black hole exists in the Milky Way.

A: hypotheses

195 Q: To what political party did George Washington belong?

A: no party

196 Q: You begin a trip at 3:15 p.m. and your odometer reads 62,558. You arrive at your destination at 4:45 p.m. and the odometer reads 62,654. What was your average speed?

A: 64 mph

197 Q: These were great statesmen of what ancient civilization?  
Themistocles  
Cimon  
Pericles

A: Greece

198 Q: These World Heritage Sites are in what country?  
-Palace of Versailles  
-Fontainebleau Palace  
-Notre Dame Cathedral

A: France

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

199 Q: What form of dormancy is used by many animals to endure cold weather and food shortages in the winter months?

A: hibernation

200 Q: Astronomers use a coronagraph to study what body in the solar system?

A: Sun

201 Q: What is the sum of the prime numbers greater than 10 and less than 20?

A: 60

202 Q: You are generally advised not to break blisters because a broken or popped blister is more likely to become contaminated with pathogenic microorganisms. Name this condition.

A: infection

203 Q: How many molecules of water could you make from 24 atoms of hydrogen and 6 atoms of oxygen?

A: 6

204 Q: What carnivorous canine quadruped is Italy's unofficial national animal largely because it has such a large role in the legend of the founding of Rome?

A: wolf

205 Q: One way to achieve victory is to provoke enemies to fight among themselves. Complete this cliché which restates this strategy.

Divide and ...

A: conquer

206 Q: In 1952, what city became the permanent headquarters of the United Nations?

A: New York City

207 Q: A bar magnet suspended from a fine wire aligns itself with the poles. Name the device used by early navigators based on this principle.

A: compass

208 Q: In James Thurber's fable, "The Fairly Intelligent Fly", a fairly intelligent fly joins a group of less intelligent flies on a piece of flypaper. Contrary to the saying, this shows that there is no safety in what?

A: numbers

209 Q: At what memorial in Keystone, South Dakota, can visitors walk the Presidential Trail and get a close view of four American leaders?

A: Mount Rushmore

210 Q: Someone adrift for forty-two days has been on a life raft for how many fortnights?

A: 3

211 Q: What is the sum of the prime numbers between 3 and 17?

A: 36

212 Q: They may last from a few days to a few months. Their diameters may range from 10 to 100,000 miles. Name these dark areas on the Sun's photosphere.

A: sunspots

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 213 Q: What fish, propelled by their tails, leap into the air at up to 20 mph, using their wide pectoral fins to glide through the air?  
A: flying fish
- 214 Q: When rolling 2 dice, there is only one way that you can end up with what two totals?  
A: 1 and 12
- 215 Q: The Warsaw uprising of 1944 occurred in what country?  
A: Poland
- 216 Q: With what American patriot is this quote associated?  
One if by land and two if by sea  
A: Paul Revere
- 217 Q: One day while flipping a coin, you get heads 5 times in a row. What is the probability that it will come up tails the next time?  
A: 1 in 2 (or 50-50 or 50%)
- 218 Q: Meatless Garbanzo bowled scores of 146, 162, and 184. What was his average for the three games?  
A: 164
- 219 Q: What are the complements in this example?  
Henry Thoreau and Mark Twain both wrote essays and grocery lists.  
A: essays, (grocery) lists
- 220 Q: If there are a total of 1 million shares of Aukco stock, how many shares would you have to own to have the controlling interest in the corporation?  
A: 500,001
- 221 Q: What type of sentence is the Pledge of Allegiance?  
A: declarative (or simple)
- 222 Q: Utah is one of the only three U.S. states with borders along only straight longitudinal and latitudinal lines. Name either of the other two.  
A: Colorado, Wyoming
- 223 Q: You hold a bucket of water by the handle and spin rapidly around. Even though the bucket is horizontal, the water does not spill. What force keeps the water in the bucket?  
A: centrifugal
- 224 Q: Find x if  $x/4 = .28$ .  
A: 1.12
- 225 Q: In 2003, electrical power was knocked out across much of the eastern U.S. What is the term for such a disruption of the power grid?  
A: blackout
- 226 Q: How many suffixes are in this quote by George Bernard Shaw?  
Fashions are induced epidemics.  
A: 3

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

227 Q: What is the meaning of the prefix in these words?

hexachlorophene  
hexamerous  
hexane  
Hexateuch  
hexagonal  
hexagram

A: six

228 Q: At the same moment that a ponderosa pine tree casts a shadow 80 feet long, a 6-foot logger standing next to it casts a 10-foot shadow. How tall is the tree for now?

A: 48 feet

229 Q: This is an anagram for what state?

worn key

A: New York

230 Q: In what story do John and Lorraine take tragic advantage of their friendship with Mr. Angelo Pignati, and end up responsible for the ransacking of his home and his death?

A: The Pigman

231 Q: In World War II, what synthetic material replaced silk in parachutes?

A: nylon

232 Q: What word is missing from these cliches?

---- over matter  
lose your ----  
out of sight, out of ----

A: mind

233 Q: Questions such as "How will laws be made?" and "How will officials be chosen?" were answered by the Pilgrims in what document?

A: Mayflower Compact

234 Q: All U.S. streams east of the Continental Divide flow into one of two bodies of water. Name both.

A: Atlantic Ocean, Gulf of Mexico

235 Q: What is the last word in this stanza?

Once a big molicepan  
Saw a bittle lum,  
Sitting on the sturbcone  
Chewing gubble ...

A: bum

236 Q: You have four dots on a circle, and each dot is joined to every other dot by a line. How many lines are required?

A: 6

237 Q: In "Treasure Island," what kind of bird is called Captain Flint?

A: parrot

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

238 Q: What word completes this limerick?

While he was out walking alone,  
Old Edward decided to clone.  
He found himself doubled,  
But not the least troubled,  
For two Ed's are better than ...!

A: one

239 Q: What table separates the elements into such groups as alkali metals, alkaline earths, metalloids, metals, and halogens?

A: periodic table

240 Q: What is the collective name for these foods?

napoleon  
croissant  
Danish  
eclair  
turnover  
strudel  
doughnut

A: pastry

241 Q: What, according to the proverb, can you not do after you lead a horse to water?

A: can't make him drink

242 Q: What kind of thinking is illustrated in this sequence of thoughts?

All feathered bipeds are birds.  
The great auk was a bird.  
So, the great auk was a feathered biped.

A: deduction (deductive reasoning)

243 Q: The most common of all joint injuries is a sprained what?

A: ankle

244 Q: What does the root mean in these words?

biography, biometrics, biosphere, biome

A: life

245 Q: What number increased by  $\frac{1}{8}$ th of itself is 54?

A: 48

246 Q: In a circle with a radius of nine centimeters, what is the longest possible chord?

A: 18 cm

247 Q: Usually the human body maintains a healthy temperature but when exposed to cold or a cool, damp environment for prolonged periods, it may lose more heat than it can generate resulting in what condition?

A: hypothermia

248 Q: What adjective describes the type of colored glass used in ornate church windows?

A: stained

249 Q: What structures in the body are composed mostly of calcium?

A: bones

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

250 Q: In 1770, John Wesley wrote, "Death is never permitted to destroy even the most inconsiderable species." But the fossil record shows that myriads of life forms no longer exist. What is the word for such life forms that are gone forever?

A: extinct

251 Q: According to ancient Greek legend, what great civilization was lost under the sea?

A: Atlantis

252 Q: Benjamin Rush wrote to John Adams, "Do you recollect the pensive and awful silence which pervaded the house when we were called up to subscribe what was believed by many at that time to be our own death warrants?" What had they signed?

A: Declaration of Independence

253 Q: What is the term for any animal that catches and consumes other living organisms?

A: predator

254 Q: If six gallons of paint covers 1200 square feet, how many gallons are needed to cover a wall that is 20 by 200 feet?

A: 20

255 Q: Which of the major religions was first to develop in the region known as the Holy Land?

A: Judaism

256 Q: Under what circumstances may an element of a set be in the set twice?

A: none

257 Q: The best chance of seeing meteors occurs when Earth passes through streams of dust left behind by comets. These displays are called meteor what?

A: showers

258 Q: What device was used in the American colonies to agitate milk or cream to form butter?

A: churn

259 Q: These words were borrowed directly from the languages of what people?  
hickory, chipmunk, tepee

A: Indians (Native Americans)

260 Q: Completely factor  $5y - 30$ .

A:  $5(y-6)$

261 Q: What line comes next in the folksong that has this verse?

Fly's in the buttermilk,  
Shoo, fly, shoo,  
Fly's in the buttermilk,  
Shoo, fly, shoo,  
Fly's in the buttermilk,  
Shoo, fly, shoo, ...

A: Skip to my Lou, my darlin'

262 Q: During World War II, John Kennedy commanded what kind of boat?

A: PT boat

263 Q: In 1494, what explorer claimed the island of Jamaica for Spain?

A: Christopher Columbus

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

264 Q: What kind of ovens scatter superhigh frequency waves throughout their interiors, causing water molecules to collide with one another and change kinetic energy into heat?

A: microwave

265 Q: What kind of change is illustrated in all of these examples?

corrosion of a ship's hull  
explosion of nitroglycerine  
mixing baking soda and vinegar  
digesting a pork chop

A: chemical change

266 Q: How many quarts are in six gallons?

A: 24

267 Q: What is this about?

They can be almost as large as a baseball or smaller than the thickness of a hair. They can be shaped like balls, boxes, rods, spirals, tubes, snowflakes, or starfish. A single one may make up an entire organism or millions of them may form a tissue of a larger organism.

A: cells

268 Q: In 1776, the Second Continental Congress rejected the name "United Colonies" and authorized what name for the new body politic?

A: United States

269 Q: What was the destination of the Apollo 11 space flight?

A: the Moon

270 Q: When an object is stretched, it may break, remain stretched, or return to its original shape. If it returns to its original shape, it has what property?

A: elasticity

271 Q: What word should replace the improperly used word in this example?

Her friends hoped that Zsa Zsa's experience had learned her a good and lasting lesson about how to deliver a solid punch.

A: taught

272 Q: Seymour told the police that his neighbor was dumping toxic wastes into the ditch behind their lots. What is the term for such a charge of wrongdoing against a person?

A: accusation

273 Q: Name the only Caribbean commonwealth that has voted on the question of American statehood.

A: Puerto Rico

274 Q: In years of abundance, females will have up to four litters instead of the usual two. The resulting overpopulation causes a food shortage, and huge groups of the little creatures dash off in search of food, many plunging over cliffs and falling into the sea. Name these rodents of northern Norway.

A: lemmings

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

275 Q: What does the root mean in chronology, chronic, chronicle, chronometer, and anachronism?

A: time

276 Q: What are the last three words in the poem that concludes with these lines?

That kissed the maiden all forlorn  
That milked the cow with the crumpled horn  
That tossed the dog that worried the cat  
That chased the rat that ate the cheese  
That lay in the house ...

A: that Jack built

277 Q: What word completes this proverb?

There are two sides to every ...

A: question (story, coin, quarrel)

278 Q: What kind of fish has a long, slippery body, usually without scales, and a continuous fin that runs along its back, around its tail, and along its underside?

A: eel

279 Q: A dealer made 40% when he sold a microchip for \$150. How much had he paid for the chip?

A: \$90

280 Q: These are what kind of musical compositions?

Bruckner's 6th  
Schubert's 9th  
Mozart's 29th  
Brahm's 4th

A: symphonies

281 Q: The Soviet Luna program of the late 1950s was developed to explore what heavenly body?

A: Moon

282 Q: What is the adjective form of the proper noun, Argentina?

A: Argentinian (Argentine)

283 Q: What is 86% of .120?

A: .1032

284 Q: What long knife with a broad blade is used either for cutting vegetation or as a weapon?

A: machete

285 Q: What aspect of a circle is more than three times the length of its diameter?

A: circumference

286 Q: Its eggs, that are laid in still water and form a tiny raft hatch into wrigglers or wiggletails. Each has a breathing tube that sticks up above the water as the tiny insect hangs head down. Name this creature.

A: mosquito

287 Q: According to the joke, a gross ignoramus is how many times worse than an ordinary ignoramus?

A: 144

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

288 Q: What verb means to soak food in some kind of liquid mixture before cooking to impart flavor, preserve, and/or tenderize?

A: marinate (marinade)

289 Q: What is the surname of the main character in these books?

Ramona the Pest  
Ramona and Her Father  
Ramona the Brave  
Ramona and Her Mother  
Ramona Forever

A: Quimby

290 Q: An anvil salesman had 20 anvils. After one week he had 17 anvils left. After two weeks he had 16 anvils left, after three weeks he had 13 anvils left, and at the end of four weeks he had 12 anvils remaining. At this rate, he will have only 1 anvil left at the end of how many weeks?

A: 9

291 Q: What trees with the biggest seeds in the world grow along the coasts of South Sea islands?

A: coconuts

292 Q: What is the weight of a 16-pound shot put under a force of 3 g's?

A: 48 pounds

293 Q: By lubricating bearings or by moving heavy pieces of furniture on wheels, you are trying to reduce what force?

A: friction

294 Q: This statement by Winston Churchill is in what tense?

Never in the field of human conflict  
was so much owed by so many to so few.

A: past tense

295 Q: In the early 12th century at the Venetian Arsenal, ship production involved moving the partially completed vessel down a canal past various stations, where more parts were added. Producing about one new galley per day, this was an early version of what kind of industrial line?

A: assembly line

296 Q: These cliches are lacking what word?

---- as a beet  
running in the ----  
paint the town ----

A: red

297 Q: South Korea is to Seoul as North Korea is to what city?

A: Pyongyang

298 Q: This is about what country?

The northernmost of the Central American nations, it is the size of Tennessee and consists of three regions including the cool highlands, the tropical area, and the tropical jungle in the northern lowlands.

A: Guatemala

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

299 Q: What do the pronouns refer to in this passage?

A good one is hard to find, one is known by the company he keeps, as one sows so shall he reap, every one is the architect of his own fortunes, and one is made by his clothes.

A: a man

300 Q: The name of what U.S. state bordering Canada completes this verse?

Two girls were quarrelling one day  
With garden tools, and so  
I said, "My dears, let Mary rake  
And just let ...

A: Idaho

301 Q: Name the thick bundle of nerve fibers that runs from the base of the brain to the hip area.

A: spinal cord

302 Q: The simple subject comprises what fraction of the complete subject in this sentence?

Wandering back and forth in his prison cell  
was the former corporate executive.

A: 1/4

303 Q: What is the largest digit in the Arabic numeration system?

A: 9

304 Q: In a melodrama, what does the audience traditionally do when the villain appears on stage?

A: It boos (hisses).

305 Q: In medieval times, there were 28 digits in a cubit and one cubit equalled 2 spans. How many digits equaled 5 spans?

A: 70

306 Q: Hymns are collected in what kind of books?

A: hymnals

307 Q: These words would be in a specialized science glossary about what physical phenomenon?

conductor  
ohm  
load  
insulator  
static  
turbine  
circuit

A: electricity

308 Q: The ten thousand lakes of Minnesota are attributed by some to the footsteps of what central character of American folklore?

A: Paul Bunyan

309 Q: If 18 times 101 is 1818 and 84 times 101 equals 8484, what is the product of 97 times 101?

A: 9797

310 Q: If Chicago's O'Hare Airport handles about 750,000 takeoffs and landings annually, to the nearest thousand, how many landings are handled daily?

A: 1000

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 311 Q: Aside from commas, what other punctuation mark regularly follows interjections?  
A: exclamation point
- 312 Q: In 1775, William Dawes went on a late-night ride to alert what American militia?  
A: the minutemen
- 313 Q: The Code of Hammurabi was written during the 18th century B.C. Under this system, punishments should fit the crime and penalties were based on the doctrine of "an eye for" what?  
A: an eye
- 314 Q: What word has a double meaning in this line by George Bernard Shaw?  
Anarchism is a game at which the police  
can beat you.  
A: beat
- 315 Q: The two broadest categories of habitats are aquatic and what other?  
A: terrestrial (land, earthy)
- 316 Q: The Persian Gulf is an arm of what ocean?  
A: Indian Ocean
- 317 Q: Mobiles, macrame, and medallions each have how many dimensions?  
A: 3
- 318 Q: Scientists collect data by which they try to prove or disprove hypotheses. Lawyers also present information by which they try to establish the guilt or innocence of a person. In either case, what is the general name for the data used?  
A: evidence
- 319 Q: This subordinate clause is about what novel?  
Even though the Wittings are a bit shy around  
Sarah when she first comes  
A: Sarah, Plain and Tall
- 320 Q: If the measure of a side of a polygon in inches is 6, what is its measure in yards?  
A:  $\frac{1}{6}$
- 321 Q: What part of the United States is at the eastern end of a submerged landmass called Beringia?  
A: Alaska
- 322 Q: The square root of 53 is between what two integers?  
A: 7 and 8
- 323 Q: What phrase in this line illustrates inversion?  
Then the workers went to sleep and others  
watched the ocean deep.  
A: ocean deep
- 324 Q: What is the opposite of opaque?  
A: transparent

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 325 Q: Superior and Michigan are two of the five Great Lakes. Name the other three.
- A: Ontario, Huron, Erie
- 326 Q: Twelve and one-half man-hours of work equals fifty men working for what time period?
- A: 15 minutes (1/4 hour)
- 327 Q: Farnsworth and Dudley took a total of two hours to wash a neighbor's windows. If Dudley worked three times as long as Farnsworth, how long did Farnsworth work?
- A: 30 minutes
- 328 Q: In square feet, what is the area of a square six inches on a side?
- A: 1/4 square foot (or .25 square foot)
- 329 Q: What is the sum of the number of days in the months with two-syllable names?
- A: 92
- 330 Q: As a symbol of "mournful and never-ending remembrance," Edgar Allan Poe used what bird of ill omen in one of his poems?
- A: raven
- 331 Q: What is the plural of "crisis"?
- A: crises
- 332 Q: These titles illustrate what literary genre?  
The Snowball: Warren Buffett and the Business of Life  
American Lion: Andrew Jackson in the White House  
The Story of Walt Disney: Maker of Magical Worlds  
Ordinary Genius: The Story of Albert Einstein
- A: biography
- 333 Q: The covered wagons that carried settlers across the plains were covered with what heavy fabric?
- A: canvas
- 334 Q: First aid for treating a victim of absorbed poisons such as insecticides includes removing the victim from the source of the poison, removing clothes with poison on them, and treating affected areas with large quantities of what?
- A: water
- 335 Q: It forms at or near the Earth's surface and consists of tiny water droplets. Name this type of cloud that may severely limit visibility.
- A: fog
- 336 Q: What is the title of an employee who regularly handles routine transactions at bank windows?
- A: teller
- 337 Q: What "light" occurs when the upper portions of the atmosphere are in full sunlight while, for a person on the ground, the Sun is below the horizon?
- A: twilight (half-light)

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

338 Q: These are breeds of what kind of animal?

Manx  
Angora  
Persian  
Siamese

A: cats

339 Q: How many total degrees of longitude are there?

A: 360

340 Q: Name the smooth, slippery substance that prevents the ends of two bones from rubbing together and grating.

A: cartilage

341 Q: These are all structures in what part of the body?

aqueous humor  
sclera  
iris  
cornea  
retina

A: eye

342 Q: In a country, the annual death rate is 26 per thousand. During the course of one year, how many people per million will not die?

A: 974,000

343 Q: What dinosaur was an armored plant-eater with a bony frill around its neck and three sharp horns on its head?

A: triceratops

344 Q: Propane, acetic acid, alcohol, and cellulose are classified as organic compounds because they contain what element?

A: carbon

345 Q: Reminiscent of the Greek mythical giant who bore the sky and the heavens on his shoulders, name the mountains south of the Strait of Gibraltar.

A: Atlas Mountains

346 Q: What adjective associated with Eli Whitney describes parts that are congruent?

A: interchangeable

347 Q: What part of speech inevitably follows an article?

A: noun

348 Q: What fungal infection that usually affects the spaces between the toes is named after people involved in competitive sports?

A: athlete's foot

349 Q: How many feet per second must a bullet travel to cover one-half mile in two seconds?

A: 1320

350 Q: In the Paul Bunyan legends, who is the cook?

A: Sourdough Sam

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 351 Q: In social insects, what is the term for the fertile female whose function is to lay eggs?  
A: queen
- 352 Q: Identify the largest African river with a mouth in the Mediterranean Sea.  
A: Nile
- 353 Q: According to Thomas Edison, what is one percent inspiration and ninety-nine percent perspiration?  
A: genius
- 354 Q: What life forms are usually just a few micrometers in length and characteristically have shapes that are spherical, spiral, or in the form of rods?  
A: bacteria
- 355 Q: What American professional football team has a name reminiscent of Germanic seafarers who traded and raided from their Scandinavian homelands across much of northern and central Europe between the 8th and 11th centuries?  
A: (Minnesota) Vikings
- 356 Q: A subsonic speed is less than the speed of what?  
A: sound
- 357 Q: Restate this sentence by unsplitting the infinitive.  
To quickly at all times run is good.  
A: To run quickly at all times is good.
- 358 Q: How many curved surfaces are there on a plano-concave lens?  
A: one
- 359 Q: The Great Pyramid at Giza is composed of 2.3 million blocks of limestone, each averaging 2.5 tons. In pounds, what is the weight of the entire pyramid?  
A: 11.5 billion
- 360 Q: What is the next term in this sequence?  
1, -3, 9, -27, 81, ...  
A: -243
- 361 Q: What is the probability of randomly selecting a prime number from the numbers 30 to 40 inclusive?  
A: 2 in 11
- 362 Q: What National Football League team was named in honor of the prospectors who responded to news of a 19th-century gold strike?  
A: 49ers
- 363 Q: What figure of speech is used in these lines by Emily Dickinson?  
There is no frigate like a book  
To take us lands away,  
Nor any coursers like a page  
Of prancing poetry.  
A: simile

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

364 Q: Officer Osborne arrested Glenda the getaway car driver when Sheldon shot Richard and Rhonda while robbing Ben's Birdbath Boutique. Who was the accomplice?

A: Glenda

365 Q: What amphibian is missing from this verse?

What a wonderful bird the ---- are.  
When he stand he sit almost;  
When he hop, he fly almost.  
He ain't got no tail hardly either.  
When he sit, he sit on what he ain't got almost.

A: frog

366 Q: Complete this quote by Seneca.

One hand washeth the ...

A: other

367 Q: Arnie just bought a Plymouth Fury from George for \$950, for \$200 down and \$100 per month, interest free. After four monthly payments have been made, what is the balance?

A: \$350

368 Q: What is the phrase for taking possession of a mining claim by fraud or force?

A: claim jumping

369 Q: Whether prose, poetry, or drama, how are all imagined stories broadly classified?

A: fiction

370 Q: Find the perimeter of a rectangle 48 feet long and 28 feet wide.

A: 152 feet

371 Q: What form of wordplay is used in this verse?

Runny had to take a bath  
Before they'd sive him gupper.  
He got so tungry in the hub,  
He ate the rat of mubber.  
He chewed his dubber rucky up,  
He gulped boap subbles, too.  
But what upset his mamma most  
Was shrinking the dampoo.

A: spoonerism

372 Q: What is the opposite of pessimism?

A: optimism

373 Q: What insect completes these cliches?

a ---- in the ointment  
I'd like to be a ---- on the wall  
wouldn't hurt a ----

A: fly

374 Q: What part of speech is the last word in this line?

When you go to a general store, they won't  
let you buy anything specifically.

A: adverb

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

375 Q: Find the last preposition in this statement by Albert Einstein.

The further the spiritual evolution of mankind advances, the more certain it seems that the path to genuine religiosity does not lie through the fear of life, and the fear of death, and blind faith, but through striving after rational knowledge.

A: after

376 Q: The top of Mt. Fujiyama can be described as that kind of inverted geometric solid?

A: cone

377 Q: What month in the year 1865 is the only month in the last couple of centuries not to have a full moon?

A: February

378 Q: These are cultural icons of what country?

red telephone box  
double-decker bus  
cup of tea  
Big Ben

A: United Kingdom (Great Britain)

379 Q: Adult butterflies have how many wings?

A: 4

380 Q: They multiplied the scale figures by twelve, measured down the rock face, wrote the measurements with chalk, and the drillers started gouging. After they had drilled and blasted for several months, the shapes began to look like faces. What monument was being built?

A: Mount Rushmore

381 Q: In the 1860s, William Russell developed what business that promised to deliver mail from St. Joseph, Missouri, to Sacramento, California, in 10 days?

A: Pony Express

382 Q: Although it has methane, ammonia, and ethane in its upper atmosphere, what are the two main elements that make up Jupiter?

A: hydrogen, helium

383 Q: In a four-story building, the first floor has twice as many windows as the second floor. The second floor has three times as many windows as the third floor. The third floor has three times as many windows as the top floor. If the top floor has 4 windows, how many windows are in the entire house?

A: 124

384 Q: What possessive pronoun completes this quip?

If you don't go to other people's funerals,  
they won't go to ...

A: yours

385 Q: At 20 degrees C, a cubic meter of air holds 12 grams of water vapor. If only 6 grams are present, the relative humidity is what percent?

A: 50

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 386 Q: What is a broad plain characterized by a rich variety of grasses called?  
A: prairie
- 387 Q: According to the lyrics of an American folksong, in what land are old times there not forgotten?  
A: Dixieland (or the land of cotton)
- 388 Q: What is the meaning of the third use of a homonym in this sentence?  
After determining the gold mine was mine, I planted a mine at its entrance.  
A: bomb (explosive, landmine)
- 389 Q: What is Spanish for "city"?  
A: ciudad
- 390 Q: A galaxy is a massive system consisting of stars, gas, and dust bound together by what?  
A: gravity
- 391 Q: The reference lines on a globe that circle the Earth parallel to the equator are lines of what?  
A: latitude
- 392 Q: It takes twenty Egyptian slaves to lift one 500-pound statue of the Pharaoh. How many slaves are needed to lift a statue of the Pharaoh's son which weighs 1500 pounds?  
A: 60
- 393 Q: Name the southeasternmost state that was part of the Confederate States of America.  
A: Florida
- 394 Q: The LCM of two numbers, N and 16, is 48. If the GCF is 8, what is N?  
A: 24
- 395 Q: An idiom for "nervousness" involves what insects in the stomach?  
A: butterflies
- 396 Q: Minerals with hardnesses up to what number can be scratched by diamond?  
A: 9
- 397 Q: What kind of heat transfer occurs when a heat source and a heat sink are physically connected?  
A: conduction
- 398 Q: The sweatlodges of American Indians were similar to what facility in modern sports clubs?  
A: saunas
- 399 Q: What is the sum of these numbers?  
-4, 9, 3, -2, -7  
A: -1

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

400 Q: These works are about what revolution?

Almost a Miracle  
George vs. George  
My Brother Sam is Dead  
Partisans and Redcoats  
Bunker Hill  
The Spirit of '76  
Johnny Tremain

A: American Revolution

401 Q: Convert 1/2% into a fraction.

A: 1/200

402 Q: One of the three Bs, the name of what German composer is presented in this anagram?

Wavelength Video Bun

A: Ludwig van Beethoven

403 Q: Bringing goods purchased from another nation into the port of a country is called what?

A: importing

404 Q: Name the third-largest country adjacent to the Gulf of Mexico.

A: Cuba

405 Q: Bactericides do what to bacteria?

A: kill them

406 Q: This excerpt from "Through the Looking Glass" is about what character?

He was sitting with his legs crossed, like a Turk, on the top of a high wall and he didn't take the least notice of her. "And how exactly like an egg he is!" she said, standing ready to catch him, for she was every moment expecting him to fall.

A: Humpty Dumpty

407 Q: The arguments for and against an issue are called the pros and what?

A: cons

408 Q: What two categories of instruments are usually found in a marching band?

A: wind, percussion

409 Q: These are chapters in what novel?

Down the Rabbit-Hole  
The Pool of Tears  
A Caucus Race  
Advice from a Caterpillar  
A Mad Tea-Party  
The Queen's Croquet-Ground

A: Alice's Adventures in Wonderland

410 Q: One stick of butter weighs how many ounces?

A: 4

411 Q: The equator passes through how many U.S. states?

A: none

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

412 Q: A car that travels one mile in one minute and thirty seconds goes how many miles in an hour?

A: 40

413 Q: Outside of Asia, the highest mountain range is on what continent?

A: South America

414 Q: What cereal grass is the staple food for about half the people on Earth?

A: rice

415 Q: What is the fourth line in a word square that begins with these words?

atom

tame

omen

...

A: mend

416 Q: If you pilot your steamship from the Panama Canal to the capital of the Dominican Republic, you cross what sea?

A: Caribbean Sea

417 Q: Broadway is the principal professional theater district in what city?

A: New York City

418 Q: You have some pineapples to peddle. You sell half of them plus half of one and have one entire pineapple left. How many pineapples did you have to start with?

A: 3

419 Q: The northernmost point in Asia is in what country?

A: Russia

420 Q: The ancient Greeks generally believed the world consisted of what three continents?

A: Asia, Europe, Africa

421 Q: A bunny hopping along at 5 feet per second travels how far in 1 minute?

A: 300 feet

422 Q: In the mid-1800s, what American social problem prompted many people on both sides of the issue to relocate in Kansas?

A: slavery

423 Q: Doris and Boris jointly own DB's Bison Burger Boutique. What kind of business arrangement is this?

A: partnership

424 Q: What state capital city in the lower 48 is farthest northwest?

A: Olympia

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

425 Q: What creature is being wooed in this excerpt?

“Sweet creature,” said the spider,  
“You’re witty and you’re wise!  
How handsome are your gauzy wings,  
how brilliant are your eyes!  
I have a little looking glass upon my  
parlor shelf,  
If you’ll step in one moment, dear,  
you shall behold yourself.”

A: fly

426 Q: What can be formed by either a meteorite striking the Earth or a volcanic eruption?

A: crater

427 Q: In a dental office, what is the title of the technician who scales and cleans teeth, applies sealants, and instructs patients on proper dental care?

A: hygienist

428 Q: What is the total number of primary and secondary colors on the RGB color wheel?

A: 6

429 Q: Which phase of matter is the worst heat conductor?

A: gas

430 Q: What is the sum of the prime numbers in the interval between 44 and 56?

A: 100

431 Q: There are three possible shapes of satellite orbits including circular, parabolic, and what other?

A: elliptical

432 Q: The Constitution established a federal union in which governmental powers are divided between the national government and what?

A: the states

433 Q: During World War II, through what kind of program did the U.S. government restrict the quantity of such commodities as sugar, gasoline, meat, and clothing that individuals could purchase in a given time frame?

A: rationing

434 Q: These fish are related to sharks and their appearance resembles flattened sharks. Name these marine carnivores whose pectoral fins are especially large and shaped like wings.

A: rays

435 Q: What character in “The Wind in the Willows” is the foil to Mr. Toad?

A: Mr. Badger

436 Q: Convert  $\frac{7}{4}$  to a percent form.

A: 175%

437 Q: Monaco, a tiny country on the French coast, is a principality because it is ruled by a hereditary leader with what title?

A: prince

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 438 Q: These are part of which branch of U.S. government?  
U.S. Court of Appeals for the Fifth Circuit  
U.S. Tax Court  
U.S. District Court for the Southern District  
of Ohio  
U.S. Court of International Trade
- A: judicial branch
- 439 Q: What color in the American flag stands for innocence and purity?
- A: white
- 440 Q: How many words have silent letters in this sentence?  
Every autumn, the psychiatrist taught a  
seminar for gnomes on Tuesday nights.
- A: 5
- 441 Q: In recent years, Florida's retirement community called "The Villages" has had numerous instances of what kind of holes spontaneously open up in their golf courses, yards, and streets?
- A: sinkholes
- 442 Q: "Setenta" is Spanish for what number?
- A: seventy
- 443 Q: These names were first used in what ancient civilization?  
Livia, Marcus, Antonia, Julius, Claudia
- A: Rome
- 444 Q: What is the term for the movement of large numbers of people such as Europeans moving to the New World, the British to Australia and New Zealand, Jews from Europe to Israel, and early Americans westward across the North American continent?
- A: migration
- 445 Q: What country was the birthplace of the Industrial Revolution?
- A: Great Britain (England)
- 446 Q: What does the prefix mean in these words?  
astrobleme  
astrology  
astrolabe  
astronaut  
astronomical
- A: star
- 447 Q: The beginning of the end of chattel slavery in the U.S. was marked by what edict issued by President Lincoln in 1863?
- A: Emancipation Proclamation
- 448 Q: What substance may comprise up to 90% of the total mass of a cactus?
- A: water
- 449 Q: What armored, three-horned dinosaur was equipped to live through a fight with a tyrannosaurus?
- A: triceratops

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 450 Q: California's Black Bear Revolt began in 1846 when settlers in the Sacramento Valley proclaimed a republic independent of what country?
- A: Mexico
- 451 Q: The head of a coelacanth makes up one fourth of its weight. One-eighth of its weight is accounted for by the tail. The rest weighs forty pounds. What is the total weight of this fish?
- A: 64 pounds
- 452 Q: What kind of radiation causes sunburn?
- A: UV (ultraviolet)
- 453 Q: What kind of animals are grackles, killdeer, kestrels, juncos, and sandpipers?
- A: birds
- 454 Q: Our system of time based on a sixty-minute hour was derived from a Sumerian mathematical system, as is our method of dividing a circle into how many degrees?
- A: 360
- 455 Q: How many words should be capitalized in this sentence?  
The ringling brothers circus will perform at the high school parking lot in westphalia in june.
- A: 5
- 456 Q: In the 14th century, English horsewomen began using what kind of saddle designed so a rider could sit with both legs on one side of the horse?
- A: sidesaddle
- 457 Q: In what story by Toni Morrison does Pecola Breedlove go to Soaphead Church, a sham mystic, to ask for blue eyes that will make her beautiful?
- A: The Bluest Eyes
- 458 Q: In cold climates, snakes spend the winter months in what physiological state?
- A: hibernation
- 459 Q: What art form is illustrated by these famous works?  
"Winged Victory of Somathrace"  
Donatello's "David"  
Michelangelo's "Moses"  
Rodin's "The Kiss"
- A: sculpture
- 460 Q: In 1807, someone shouted from the shore of the Hudson River, "The devil is on his way up-river with a sawmill on a boat!" He was referring to what vessel designed by Robert Fulton?
- A: Clermont (Fulton's Folly)
- 461 Q: While the Republic of Ireland is historically a Catholic country, the majority of the population in Northern Ireland are of what general religious persuasion?
- A: Protestant

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

462 Q: What is the last name of the inventor who wrote this in 1913?

I took a position at one of the wings, intending to help balance the machine as it ran down the track. But when the restraining wire was slipped, the machine started off so quickly I could stay with it only a few feet. After a 40-foot run, it lifted from the rail.

A: Wright

463 Q: Slopes facing what cardinal direction in the Northern Hemisphere receive the greatest amount of sunlight?

A: south

464 Q: What is 2 cubed times 4 squared?

A: 128

465 Q: What is the probability of rolling a 3 with a single die?

A: 1/6 (or 1 in 6)

466 Q: What is the smallest number with three different digits?

A: 102

467 Q: Correctly restate this basic principle regarding anyone accused of a crime?  
Defendants are guilty until proven innocent.

A: ... innocent until proven guilty.

468 Q: What is the meaning of the root in these words?

trident  
indent  
dentifrice  
dentist

A: tooth

469 Q: Mass production has been made even more efficient by the incorporation of automatons. What is a synonym for such devices?

A: robots

470 Q: Produced by light reflected from the Moon and refracted by moisture-laden clouds in Earth's atmosphere, moonbows are practically always perceived as what color?

A: white

471 Q: Assuming all the groups consisted of different people, how many musicians performed at a music festival that featured a duet, a trio, a quartet, two septets, and an octet?

A: 31

472 Q: The Flatiron Building rose 22 stories. Then the Singer Building rose to 47 stories, the Metropolitan Life tower to 50 stories, and the Woolworth Building to 55 stories. What is the collective name for these high, steel skeleton buildings?

A: skyscrapers

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

473 Q: What word has these meanings?

- a horny rib that stiffens insect wings
- a conducting organ in a plant leaf
- a long branching mineral deposit
- a temporary attitude
- a long strip of color in marble
- a tube that carries blood

A: vein

474 Q: What major ocean current flows northward offshore from Florida, Georgia, Virginia, Delaware, and New York?

A: Gulf Stream

475 Q: The Gadsden Flag is another name for an early American flag featuring a coiled reptile and what inscription?

A: Don't Tread on Me

476 Q: What adverb completes this verse?

Woodman, spare that tree!  
Touch not a single bough!  
In youth it sheltered me,  
And I'll protect it ...

A: now

477 Q: The two dry climate types are semiarid and what other?

A: arid

478 Q: What kind of telescope is designed to detect radio waves from space?

A: radio telescope

479 Q: Birds range in weight from hummingbirds that weigh a few grams to what other bird weighing more than 130 kilograms?

A: ostrich

480 Q: The hydrologic cycle involves the transport of water between the land, the sea, and what else?

A: the atmosphere (sky)

481 Q: What historical European seafarers included people such as Harald Hardrada, Sweyn Forkbeard, Eric Bloodaxe, Gunnar Hamundarson, Bjorn Ironside, and Freydis Eriksdottir?

A: Vikings (Norsemen)

482 Q: According to Longfellow's poem, how was the little girl who had a little curl right in the middle of her forehead when she was bad?

A: horrid

483 Q: Traditionally, at what inning of a baseball game do spectators stand up?

A: 7th inning

484 Q: To what prophesy of doom does this observation refer?

Chicken Little only has to be right once.

A: The sky is falling in.

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

485 Q: These were politicians in what bygone country?

Yuri Andropov  
Leonid Brezhnev  
Nikita Khrushchev

A: Soviet Union (U.S.S.R.)

486 Q: What word in this headline has a double meaning?

New Vaccine May Contain Rabies

A: contain

487 Q: What word from the Spanish language indicates a blanket with an opening for the head?

A: poncho

488 Q: Forty winks is a synonym for what?

A: a nap (doze)

489 Q: Last week, against informed advice, you popped a blister on your foot, and now there is redness and an accumulation of pus around the blister site. This indicates that what has developed there?

A: infection (inflammation)

490 Q: William Bradford was a governor of what New World colony?

A: Plymouth

491 Q: What powers Earth's hydrologic cycle?

A: the Sun

492 Q: What is the primary driving force of ocean surface currents?

A: wind

493 Q: These are examples of what part of a letter?

G'day:  
To Whom It May Concern:  
Ahoy There:  
Howdy:  
Your Excellency:  
Dear Professor Moriarty:

A: salutation

494 Q: These are pompous renditions of the first four lines of what song?

Square root of nine sightless small rodents,  
Square root of nine sightless small rodents,  
Regard in what manner they skedaddle,  
Regard in what manner they skedaddle.

A: Three Blind Mice

495 Q: What unit of measure is used for small angles equal to 1/60th of a degree?

A: minute

496 Q: What two consecutive integers have a sum of -47?

A: -23, -24

497 Q: Photovoltaic cells convert what kind of energy into electricity?

A: solar (light, radiant, electromagnetic)

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

498 Q: What term in economics indicates the contest among sellers to win buyers?

A: competition

499 Q: What proverb can be traced to this 16th-century saying?

He that looketh not before he leapeth,  
may chance to stumble before he sleepeth.

A: look before you leap

500 Q: What sea is between Jordan and Israel?

A: Dead Sea

501 Q: In 1926, it flew for just 2.5 seconds, went 184 feet, achieved a maximum speed of 60 miles per hour, and attained a maximum height of 41 feet. Robert Goddard described it as "almost magical as it rose." What kind of device was it?

A: rocket (liquid-fuel rocket)

502 Q: The subject of imperative sentences is normally what second-person pronoun?

A: you

503 Q: Mort makes \$5 per hour and works 35 hours per week cleaning up nuclear waste. How much does he gross in 7 weeks?

A: \$1225.00

504 Q: What broad concept involves such factors as bathing, tooth brushing, toenail clipping, fingernail cleaning, handwashing, and clothes changing?

A: hygiene

505 Q: What profession was common to these Russians?

Alexander Borodin  
Anton Rubinstein  
Igor Stravinsky  
Nikolai Rimsky-Korsakov  
Sergei Rachmaninoff

A: composers (composing)

506 Q: If it is estimated that the probability of Old Stewball's winning a particular horse race is 1 in 20, what are his odds of losing that race?

A: 19 in 20

507 Q: These belong to which of the three broad categories of rocks?

scoria, rhyolite, pegmatite, gabbro, pumice

A: igneous

508 Q: What is the collective name for these kinds of books?

phrase book, directory, handbook, atlas,  
thesaurus, encyclopedia, dictionary

A: reference books (references)

509 Q: Reminiscent of a piece of tableware, when two tributaries have the same name as the river into which they feed, what are they called?

A: forks

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

510 Q: If Jeannie works for \$6 per hour, assuming she works every day except weekends and takes no time off, how much is her gross salary in four weeks?

A: \$960

511 Q: On some enchanted evening, if an alien couple were holding tentacles and gazing into the heavens and they could easily see Deimos and Phobos with their naked compound eyes, they must be on what planet?

A: Mars

512 Q: What is the independent clause in this example?  
Before it engulfed the pizzeria but after it had devoured the French bakery, the blob seemed to hiccup.

A: the blob seemed to hiccup

513 Q: Three pounds of pickles make up 12 jars of pickle relish. How many pounds of pickles are needed to make up 8 jars of relish?

A: 2

514 Q: In the 15th century, Portuguese navigators used the mariner's compass to tell direction and the quadrant and astrolabe to get fixes on their ---- north or south of the equator.

A: latitude

515 Q: Lightning may move from a cloud to the ground, from the ground to a cloud, or from one cloud to another. It is what kind of electricity?

A: static (electrostatic)

516 Q: On a compass, what is the greater number of degrees between headings of NNE and ESE?

A: 270

517 Q: Which is the upper legislative chamber of Congress?

A: Senate

518 Q: These were leaders of what great ancient civilization?  
Trajan, Diocletian, Constantine, Nero, Augustus

A: Roman

519 Q: What exactly is indicated by the number "2250" on a contour line of a topographic map?

A: elevation of 2250 feet (or meters)

520 Q: Name the curved, horny covering that protects the toes of grazing mammals.

A: hoof

521 Q: Before Hawaii and Alaska were admitted as states, how many members were there in the Senate?

A: 96

522 Q: Which number does not fit in this group?  
4, 9, 25, 35, 36, 64, 81

A: 35

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

523 Q: These are lines from a story about a scorpion and what other creature?

- Will you carry me across the river?
- You sting me while I'm swimming and I'll drown.
- If I were to sting you, you would drown and I would go down with you.
- Why did you sting me?
- It has nothing to do with logic. It is just my character.

A: turtle (or frog)

524 Q: Elisha Gray showed up at the Patent Office to apply for a patent on the telephone one day too late. Who had been there the previous day?

A: Alexander Graham Bell

525 Q: Roughly eighty percent of all the Earth's animals have how many legs?

A: 6

526 Q: Air that no longer contains oxygen almost entirely consists of what gas?

A: nitrogen

527 Q: What kind of nouns are in this list?

- Fifth Avenue
- Tuesday
- Book of Genesis
- Jerome, Arizona
- Freddie Smith

A: proper

528 Q: At the time the conquistadors explored the Americas, what native people ruled in the area that later became southern Mexico?

A: Aztecs

529 Q: The U.S. was embroiled in what war while these men served as presidents?

- John Kennedy
- Lyndon Johnson
- Richard Nixon

A: Vietnam War

530 Q: Identify the second branch indicated in this passage.

- The second branch ought to be a check on the first. The first branch, originating from the people, will ever be subject to precipitancy, changeability, and excess.

A: Senate

531 Q: Oxidation occurs whenever a substance combines with what element?

A: oxygen

532 Q: If the entire history of the Earth were to be organized on a 12-hour clock, one hour would be equivalent to 383 million years, one minute would equal 6.4 million years, and one second would equal, to the nearest ten thousand, how many years?

A: 111,000

533 Q: What mountain range separates the Columbia and Mississippi watersheds?

A: Rocky Mountains (Rockies)

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

534 Q: This quote by Eleanor Roosevelt illustrates which of the four basic kinds of sentences.  
Do one thing every day that scares you.

A: imperative

535 Q: Carla cut hay this morning and now her eyes are swollen shut. Andy started cleaning up an old dusty house today and now he's sneezing uncontrollably and itches all over. What do these people have?

A: allergies

536 Q: What device consists of a body suspended in such a way that it can swing to and fro under the influence of gravity?

A: pendulum

537 Q: "Follow the white rabbit" is a line from the movie, "The Matrix." This alludes to a story by what English author?

A: Lewis Carroll

538 Q: If you were a marsupial living in South Australia and your diet was primarily eucalyptus leaves, what would you be?

A: koala

539 Q: Dermatologist is to skin as cardiologist is to what organ?

A: heart

540 Q: What character says this toward the end of a poem?

It's fine in here, but I greatly fear  
You'll let in the cold and storm --  
Since I left Plumtree, down in Tennessee,  
It's the first time I've been warm.

A: Sam McGee

541 Q: What three numbers should follow in this pattern?

9 2 8 5 7 8 6 11 ...

A: 5, 14, 4

542 Q: Name the system under which people are forced to work for no pay and are treated as property to be bought and sold.

A: slavery

543 Q: According to Greek myth, artists, poets, singers, and writers are inspired by the nine daughters of Mnemosyne and Zeus. By what name are they collectively known?

A: Muses

544 Q: A quarter of a circle has an arc of how many degrees?

A: 90

545 Q: Formerly known as Orleans Territory, what state was admitted to the Union in 1812?

A: Louisiana

546 Q: A grain of sand placed inside the shell of what marine creature can become coated with a layer of mother-of-pearl?

A: oyster

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

547 Q: What sense is subject to auditory hallucinations?

A: hearing

548 Q: Washington is to the U.S.A. as Santiago is to what country?

A: Chile

549 Q: Panama came into existence after its revolt against what country?

A: Colombia

550 Q: At what site in 1836 did 187 men under William Travis fend off an army of over 5000 led by Santa Anna?

A: Alamo

551 Q: One member of which body of the U.S. Congress is elected from each congressional district?

A: House of Representatives

552 Q: Invented in 1928, what device tells a pilot how high a plane is flying?

A: altimeter

553 Q: What is the largest of three consecutive odd integers with a sum of 33?

A: 13

554 Q: If the geothermal gradient is 29 degrees per mile, and the temperature of rock near the surface is 60 degrees F, at a depth of one mile, it would be about how many degrees F?

A: 89

555 Q: The greatest number of avalanches annually in the Lower Forty-Eight occur in what state?

A: Colorado

556 Q: What word is missing in this saying?

Arteries spurt but ---- don't.

A: veins

557 Q: How many degrees and minutes are there in 3780 seconds?

A: 1 degree 3 minutes

558 Q: The number of live births per 1000 in the population during a given year is called the birth what?

A: rate

559 Q: Concrete closely resembles what common sedimentary rock?

A: conglomerate

560 Q: What single word can have these meanings?

- a brawl or tumult
- to manually propel a boat
- a line

A: row

561 Q: From whom did Bilbo Baggins acquire the ring?

A: Gollum

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

562 Q: These words came into English from what language?  
entrepreneur, envoy, espionage, etiquette

A: French

563 Q: Name the wolflike African animal with powerful jaws and a bristly mane.

A: hyena

564 Q: Gator Guidry, a lifelong alligator hunter of the Louisiana Bayous, decided to climb some fourteeners in Colorado for his vacation. Soon after he topped Pikes Peak, he felt lightheaded, had a headache, and was nauseous. These symptoms probably indicate what disorder?

A: altitude (mountain) sickness

565 Q: All of these are examples of what kind of words?  
loudspeaker, upstream, mountainside, landlord,  
downshift, logrolling, brainwash, groundwater,  
eavesdrop, daydream, floodplain

A: compound words

566 Q: What is the answer to this riddle?  
It cannot be seen, cannot be felt,  
Cannot be heard, cannot be smelt.  
It lies behind stars and under hills,  
And empty holes it fills.  
It comes first and follows after,  
Ends life, kills laughter.

A: dark

567 Q: What race inhabits the North American Arctic?

A: Eskimos (Inuit)

568 Q: When contacting surfaces move relative to each other, the friction between the two objects converts kinetic energy into what other form of energy?

A: thermal energy (heat)

569 Q: A dune buggy that travels 300 yards in 20 seconds travels how many feet in 1/5th of a second?

A: 9

570 Q: These are lyrics from a song in what musical?  
I'm gonna be a mighty king  
So enemies beware!  
Well, I've never seen a king of beasts  
With quite so little hair  
I'm gonna be the mane event  
Like no king was before  
I'm brushing up on looking down  
I'm working on my ROAR.

A: The Lion King

571 Q: Geologists speculate that the Earth's magnetic field has reversed 9 times over the past 3.5 million years. To the nearest hundred thousand years, the Earth's magnetic poles reverse every how many years?

A: 400,000

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

572 Q: The first person singular verb "am" must agree with what first person singular subject?

A: I

573 Q: A nocturne is a painting of a scene during what part of a 24-hour period?

A: night (evening)

574 Q: Using letters, what is the rhyme scheme in this verse?

Bid me to weep, and I will weep,  
While I have eyes to see;  
And having none, yet I will keep  
A heart to weep for thee.

A: abab

575 Q: Which word is modified by the adjective "brokenhearted" in this line?

Brokenhearted by the flood, Mel sunk into  
hopeless despair.

A: Mel

576 Q: Complete this poem with a clause that includes a repeated pronoun.

She's just had twins, the wicked witch,  
One's named Mark, the other Mitch.  
The problem though  
Is how to know  
Who is who, or ...

A: which is which

577 Q: Represent the number of U.S. senators from the Four Corners states as a binary numeral.

A: 1000

578 Q: On a ranch, there are 240 cows and 260 horses. What is the ratio of the number of cows to the total number of animals on the ranch?

A: 12 to 25

579 Q: While Colorado has the highest mean elevation of the U.S. states, what adjacent state has the second-highest mean elevation?

A: Wyoming

580 Q: For transporting loads, animals such as elephants, yaks, reindeer, goats, water buffalo, and llamas have all been used by various civilization as beasts of what?

A: burden

581 Q: In the historical novel, "My Brother Sam is Dead," against his family's wishes, Sam joins what army?

A: Continental Army

582 Q: What capital city is closest to the Suez Canal?

A: Cairo

583 Q: Identify the capital of the state in which the Plymouth Colony was established.

A: Boston

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

584 Q: Given that the weight of blood is about 7% of the total body weight, how many pounds of blood does a 150-pound person have?

A: 10.5 (accept 10 to 11)

585 Q: What U.S. president gave his second State of the Union address in 1802?

A: Thomas Jefferson

586 Q: According to the law of inertia, if an object is at rest, it tends to do what?

A: stay (remain) at rest

587 Q: In what year was a display in the Old North Church supposed to consist of a single lamp if the British were attacking by land and a pair of lamps if they were attacking from the sea?

A: 1775

588 Q: It may be a piece of bone, a shell, a tooth, or a footprint. It can be an entire skeleton. It can be an entire creature frozen in ice. What is the term for any such evidence of past life?

A: fossil

589 Q: The Great Lakes are drained by what river?

A: St. Lawrence

590 Q: A garrison consisting mostly of Hessian soldiers was captured by the Continental Army during what Revolutionary War battle in New Jersey on the morning of December 26, 1776?

A: Battle of Trenton

591 Q: What interjection can be made with the first letters of the names of the last three states to be admitted to the Union?

A: aha

592 Q: The adversarial structure under which American criminal courts operate, pits the defense against what?

A: the prosecution

593 Q: What are the objects of the preposition in this?  
The new subdivision is located near hills and arroyos.

A: hills, arroyos

594 Q: What happens to the temperature when a gas is compressed?

A: higher (warmer, raised)

595 Q: In the folksong, who is being addressed in these lyrics?  
... won't you come out tonight and dance by  
the light of the moon?

A: Buffalo Gals

596 Q: From where you are standing, Kazoo City is 100 miles due north and Bogville is 100 miles due west. Kazoo City is at what compass heading from Bogville?

A: northeast (45 degrees NE)

597 Q: What superlative adjective completes this line by Robert Louis Stevenson?  
Make the most of the best  
and the least of the ...

A: worst

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

598 Q: The greatest amount of new territory was acquired by the U.S. during whose presidency?

A: Thomas Jefferson

599 Q: This moral is from which of Aesop's fables?

A liar will not be believed, even when he speaks the truth.

A: The Shepherd's Boy

600 Q: What Atlantic coastal state has a name implying it is a type of landform which it certainly is not?

A: Rhode Island

601 Q: Dermatophytes cause parasitic infections to what part of the body?

A: skin

602 Q: The short side of a right triangle is 6 and its hypotenuse is 8. If the short side on a similar triangle is 18, what is the length of the hypotenuse on that triangle?

A: 24

603 Q: Reduce this fraction.

$\frac{78}{90}$

A:  $\frac{13}{15}$

604 Q: What property of a material enables it to carry electric current?

A: conductivity

605 Q: What comparative adjective for the word "bad" completes this aphorism?

No misfortune is so bad that whining about it won't make it ...

A: worse

606 Q: What was Michael Collins speaking about when he said this?

It's this little thing, blue and white, with smears of rust that we call continents.

A: Earth

607 Q: Correct the one wrong word in this line.

Delegates from the first thirteen states formed the Contented Congress.

A: Continental

608 Q: What landform has these characteristics?

- an elongated, narrow portion of land
- water on both sides
- connects two larger land areas

A: isthmus

609 Q: The guidewords at the top of a dictionary page are "wrath" and "wrestle." The name of what small bird would appear on that page?

A: wren

610 Q: What is the number if the sum of twice the number plus 13 is 75?

A: 31

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

611 Q: Unlike birds that flap their entire forelimbs, what creatures flap their spread-out digits which are very long and covered with a thin membrane?

A: bats

612 Q: How many adjectives are in this song verse?  
Girls in white dresses with blue satin sashes  
Snowflakes that stay on my nose and eyelashes  
Silver white winters that melt into springs  
These are a few of my favorite things.

A: 8

613 Q: This is from what story?  
You see, Dictionopolis is the place where all  
the words in the world come from. They're  
grown right here in our orchards.

A: The Phantom Tollbooth

614 Q: During what war were jet aircraft first used?

A: World War II

615 Q: In what story by Hans Christian Andersen does a little girl named Karen dance at the town ball, through the fields, all day and all night, until an executioner chops off her feet?

A: The Red Shoes

616 Q: Which syllable of "polysyllabic" is accented?

A: 4th

617 Q: Captain Cook gave his sailors pickled cabbage and a type of orange marmalade to keep them from being afflicted with what disease?

A: scurvy

618 Q: Frugivores are animals that eat fruit. What do nectarivores consume?

A: nectar

619 Q: Reduce 315/390.

A: 21/26

620 Q: These are gods of what ancient civilization?  
Amun, Hathor, Thoth, Osiris, Horus, Isis

A: Egypt

621 Q: In a magic triangle in which no numeral can be used more than once, the numbers on left side are 1, 3, 7, 9 and on the right are 1, 6, 8, 5. The numbers on the base are 9, --, --, 5.

A: 2, 4 (or 4, 2)

622 Q: On a piano keyboard, there are no black keys between E and F and between what other two notes?

A: B and C

623 Q: Name this number.  
3.141592654

A: pi

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

624 Q: What happens to the strength of a magnetic field as the distance from the magnet increases?

A: It decreases.

625 Q: Name the small, straight surgical knife with a convex edge and a thin keen blade.

A: scalpel

626 Q: What is the adjectival form of the noun "region"?

A: regional

627 Q: Puppy lint costs 35 cents for 2 ounces. What is the cost of 1 pound of lint?

A: \$2.80

628 Q: Remarkable thermal features prompted Congress to establish America's first national park in 1872. Name the park.

A: Yellowstone

629 Q: What elected position in America has been described as "a spare tire on the automobile of government"?

A: vice presidency

630 Q: A plot of land devoted to the growth of peaches is an orchard. What plot of land is devoted to grape growing?

A: vineyard

631 Q: What cardinal number is in the first line of the poem, "Casey at the Bat"?

A: nine

632 Q: In what book of tales is this sentence found?

Whoever sitteth on this carpet and willeth  
in thought to be taken up and set down upon  
another site will, in the twinkling of an eye,  
be borne thither, be that place nearhand or  
distant many a day's journey and difficult  
to reach.

A: One Thousand and One Nights (Arabian Nights)

633 Q: In the novel, "Holes," Stanley Yetnats is given the choice of going to jail or to what camp?

A: Camp Green Lake

634 Q: What is another name for the federal holiday known officially according to the statute as Washington's Birthday?

A: Presidents' Day

635 Q: Two major sources of profit for the colony of New France in North America were fishing and what else?

A: fur trading

636 Q: What is the next number in this sequence?

21 13 8 5 3 ...

A: 2

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

637 Q: How many proper adjectives are in this line?

Many French words came into the English language just after the famous Norman invasion of 1066.

A: 3

638 Q: In 1963, there was a shocked and silent weekend when everything seemed to stop except feverish news from Dallas and a slow, somber funeral procession. What had happened?

A: Kennedy assassinated

639 Q: Dan Dillinger has only served 7 years of his 14-year sentence. Because he has been a model prisoner and is deemed unlikely to return to crime, he is being released, providing he continues his good behavior. He is being freed on what?

A: parole

640 Q: Using  $x$  as a person's age now, represent that person's age 40 years ago.

A:  $x-40$

641 Q: The Bronze Age is the second age of the three-age archaeological system. What is the first?

A: Stone Age

642 Q: Historically, what valuable substance mostly composed of dentin has been taken from walruses, narwhals, mammoths, and hippopotamuses?

A: ivory

643 Q: In 1825, the first barge began the 544-mile journey from the Great Lakes to New York City via what newly-opened waterway?

A: Erie Canal

644 Q: Liquefaction may involve a change from a solid to a liquid through what process?

A: melting (heating)

645 Q: Evaluate  $7(14) - 6.5(14)$ .

A: 7

646 Q: Before photography, anybody wanting his image preserved had to depend on an artist to create a likeness. What is the term for that type of painting?

A: portrait

647 Q: Each of your retinas contains some 120 million rod cells and about 6 million of what other kind of photoreceptor?

A: cones

648 Q: Name the morphological features that form the deepest parts of the ocean floor.

A: trenches

649 Q: Peoples in various parts of southeast Asia have carved series of steplike fields into the sides of mountains. Name them.

A: terraces

650 Q: In what century did cartographers first separate the continents of America and Asia by an ocean?

A: 16th century (1500s)

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

651 Q: Restate the following sentence without the barbarism.  
Me and Sue have a dog named Blue.

A: Sue and I have a dog named Blue.

652 Q: Name the largest country that borders the Yellow Sea.

A: China

653 Q: Geographically, what is the next state in this sequence?  
Louisiana, Arkansas, Missouri, Iowa, ...

A: Minnesota

654 Q: President Gerald Ford gave a full pardon to what former U.S. president?

A: Richard Nixon

655 Q: What fictional character lived in a hole that was "not a nasty, dirty, wet hole, filled with the ends of worms and an oozy smell, nor yet a dry, bare sandy hole with nothing in it to sit down on or to eat"?

A: hobbit (Bilbo Baggins)

656 Q: A bar magnet has poles on its opposite ends. What kind of magnet has a U-shape?

A: horseshoe magnet

657 Q: "Maybe once, but probably not now" is the answer to this question.  
Is there life on ...

A: Mars

658 Q: What material derived from sheep fat was widely used in candles and soap?

A: tallow

659 Q: These idioms come from what sport?

blow-by-blow  
down and out  
go the distance  
have someone in your corner  
down for the count  
take off the gloves  
low blow

A: boxing

660 Q: What is the term for the size and style of a typeface?

A: font

661 Q: The Patriot's ultimate victory in the American Revolution was largely made possible by support from what European country?

A: France

662 Q: This is an account of events in what country?

In 1979 the shah lost the support of the army and his regime collapsed. He went into exile and the Ayatollah Khomeini became ruler.

A: Iran

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 663 Q: Tens of thousands of settlers followed the California Trail in 1849 after hearing about the discovery of what in the West?
- A: gold
- 664 Q: What is the perimeter of a nonagon if each side is seven centimeters?
- A: 63 centimeters
- 665 Q: How many different men served as president of the Confederate States of America?
- A: one
- 666 Q: The world population reached 5.8 billion in mid-1996, an increase of 80 million over the previous 12 months when the population was ---- billion.
- A: 5.72
- 667 Q: On what continent are the Thar, Rub' al-Khali, and Gobi deserts?
- A: Asia
- 668 Q: These dances are part of what ballet by Sergei Prokofiev?  
Shawl Dance  
The Fairy Godmother  
The Sister's New Clothes  
Departure of the Stepmother and  
the Sisters for the Ball
- A: Cinderella
- 669 Q: How many votes in the U.S. Senate are controlled by the senators from South Carolina?
- A: 2
- 670 Q: What part of speech is the last word in this line?  
Wilma said that Fred looked well.
- A: adjective
- 671 Q: Kipling's story about a slender, agile, long-tailed mammal that kills snakes is set in what country?
- A: India
- 672 Q: This verse is about an incident in what Arizona town?  
Now, Virgil and Morgan were downright  
disgusted / And took up guns and badges to  
stop all the killing / So Wyatt and Doc backed  
the Earp brothers' play / And showed a courage  
that was fierce and chilling.
- A: Tombstone
- 673 Q: What are the pronouns in the "Pledge of Allegiance"?
- A: I, it, all
- 674 Q: In 1927 who piloted a Ryan monoplane, and upon landing in Paris, became the first pilot to solo across the Atlantic Ocean?
- A: Charles Lindbergh
- 675 Q: Often seen from a distance at sea, a dense and well-defined mass of fog moving along the surface is called a fog what?
- A: bank

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

676 Q: The Bahamas, Cuba, Barbados, the Dominican Republic, Haiti, and Jamaica belong to what island group?

A: West Indies

677 Q: In 1970, President Nixon issued an executive order establishing the EPA to administer most environmental laws. For what does this abbreviation stand?

A: Environmental Protection Agency

678 Q: What error is in this line from a historical text?

Buzz Aldrin, the second man to step on the Moon, fulfilled a centuries-old dream of mankind - to walk upon the surface of another planet.

A: The Moon is not a planet.

679 Q: What city is indicated in these lines?

"Oranges and Lemons"  
Say the bells of St. Clements  
"I owe you five farthings"  
Say the bells of St. Martin's  
"When will you pay me?"  
Say the bells of Old Bailey

A: London

680 Q: This line is an anagram for what British dramatist?

Ah speak, seer.

A: Shakespeare

681 Q: In what kind of play, performed behind a translucent curtain, do you see only the shapes of the opaque objects behind it?

A: shadow play

682 Q: How many commas are needed in this line?

Melanie said "It is never pleasant to find camels zebras elephants and hyenas in your hot tub."

A: 4

683 Q: What literary technique is illustrated by this line from a story?

Sara wished she could rid herself of the sick feeling in her gut that told her something horrible was going to happen, and happen soon.

A: foreshadowing

684 Q: What article, besides "the," is appropriate to use before a word beginning with a consonant sound?

A: a

685 Q: As precipitation increases, what usually happens to the level of the water table?

A: It rises.

686 Q: A flavor is a combination of what two sensations?

A: smell, taste

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 687 Q: What mineral is chiefly present in water that evaporates from the Dead Sea?  
A: none
- 688 Q: What intercardinal point is between NNW and WNW?  
A: NW (or northwest)
- 689 Q: Every real number, designated as "A", has a reciprocal designated as what?  
A: 1/A
- 690 Q: What kind of engine generally includes a rotary air compressor powered by a turbine that produces thrust through a nozzle?  
A: jet engine
- 691 Q: According to the idiom, if you purchase something for very little money, you got it for what kind of legumes?  
A: peanuts
- 692 Q: What structures include such components as pulp, crowns, and roots?  
A: teeth
- 693 Q: Willamina has some yaks and ostriches as pets. The total number of animals is 10 and the total number of legs is 28. How many ostriches does she have?  
A: 6
- 694 Q: How many disyllabic words are in the Pledge of Allegiance?  
A: 3
- 695 Q: Name the process by which something takes in another substance such as oil into rags or water into sponges.  
A: absorption
- 696 Q: What word completes this saying?  
What the fool does in the end,  
the wise man does in the ...  
A: beginning
- 697 Q: What is the maximum number of points in which a straight line can intersect a sphere?  
A: 2
- 698 Q: What, according to the proverb, is worth a pound of cure?  
A: an ounce of prevention
- 699 Q: What U.S. president was once elected with all 69 votes of the Electoral College?  
A: George Washington
- 700 Q: Start with 68 and add its reverse to it. Take the sum and add its reverse to it. Keep doing this until you arrive at a number palindrome. What number is it?  
A: 1111
- 701 Q: What is the total number of edges on a triangular pyramid?  
A: 6

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

702 Q: During colonial times, the Iroquois Confederation always remained friendly to the English and hostile to people from what European nation?

A: French

703 Q: Inertia is the tendency of an object to remain at rest or to remain in what?

A: motion

704 Q: Seven is the cube root of what number?

A: 343

705 Q: Inhaling what light gas causes a person's voice to sound much higher?

A: helium

706 Q: What plane took off in May of 1927 from Roosevelt Field on Long Island and landed with its one occupant about 33 hours later at Le Bourget Airport near Paris?

A: The Spirit of St. Louis

707 Q: Each of the horizontal divisions or levels of a tall building is called a what?

A: story

708 Q: What war involving American and British forces lasted until 1815?

A: War of 1812

709 Q: Victims of viper bites will have how many puncture wounds?

A: two

710 Q: In what system of measurement are other units of measurement obtained by multiplying or dividing a unit by 10 or multiples of 10?

A: metric system

711 Q: A plane mirror has a flat surface. What kind of mirror curves outward like the back of a spoon?

A: convex mirror

712 Q: What type of fan used on watercraft and airplanes transforms rotary motion into thrust?

A: propeller

713 Q: What is the name for solidified carbon dioxide?

A: dry ice

714 Q: What term indicates old furniture esteemed for its artistry, beauty, or origin?

A: antique

715 Q: What U.S. state capital city is farthest north?

A: Juneau

716 Q: What huge country has a strategic location between Russia and the United States via a northern polar route?

A: Canada

717 Q: What is the only 5-syllable word in the U.S. Pledge of Allegiance?

A: indivisible

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 718 Q: Whales often submerge far into the depths of the sea, where they are protected from the intense cold by what thick layer of insulating material?
- A: blubber
- 719 Q: If only one-fourth of a herbicide remains in the soil after 120 days, what is its half-life?
- A: 60 days
- 720 Q: What kind of court order authorizes law enforcement officers to explore a location for evidence of a crime?
- A: search warrant
- 721 Q: The chains and sprockets used by the Wright brothers in their first airplane were actually designed to be used in what other form of transportation?
- A: bicycles
- 722 Q: Conservation laws state that quantities such as mass remain what?
- A: constant
- 723 Q: In the 16th century, Juan de Bermudez discovered an archipelago, later to be named after him, in what ocean?
- A: Atlantic
- 724 Q: By 1900, what Scottish-born American had built an enormous steel manufacturing business?
- A: Andrew Carnegie
- 725 Q: What form of government is missing in this statement by Winston Churchill?  
The best argument against ---- is a five-minute conversation with an average voter.
- A: democracy
- 726 Q: Which two numbers should be multiplied first in this problem?  
 $8(4+1)(6(21(3 \times 4)))$
- A:  $3 \times 4$
- 727 Q: To what family of instruments does the marimba belong?
- A: percussion
- 728 Q: The posterior end of the esophagus terminates in what organ?
- A: stomach
- 729 Q: Mercury makes a complete rotation on its axis every 59.65 days and makes a complete journey around the Sun every 88 Earth days. The planet rotates about how many times while circling the Sun twice?
- A: 3
- 730 Q: In a city of 400,000 residents where the municipal budget is \$900 million, what is the per capita spending?
- A: \$2250
- 731 Q: Heat energy transfers from one object to another when they are in direct contact because the moving molecules of one material increase the energy of the molecules in the other. Name this form of heat transfer.
- A: conduction

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

732 Q: How many fishing jigs costing twelve cents each can be purchased for the same price as two tickets to a baseball game costing \$75 each?

A: 1250

733 Q: What herbivorous mammal has the largest teeth of any animal?

A: elephant (African elephant)

734 Q: What conflict is central to these nonfictional works?

This Hallowed Ground  
Battle Cry of Freedom  
A Stillness at Appomattox

A: the Civil War

735 Q: Vertebrates that belong to what taxonomic class have these characteristics?

They breathe air.  
They nearly all lay shelled eggs.  
They are exothermic.  
They are mostly covered in scales or shells.

A: reptiles (Reptilia)

736 Q: Sicily is an autonomous region of what country?

A: Italy

737 Q: What is the common term for a two-pronged resonator that produces a constant pitch?

A: tuning fork

738 Q: What kind of plain forms adjacent to any river or stream that experiences periodic high-water inundations?

A: flood plain

739 Q: What adjective describes a lens that produces an image larger than the actual object?

A: magnifying

740 Q: In musical notation, what is the term for a segment of time defined as a given number of beats of a given duration?

A: measure (bar)

741 Q: Name the author of this verse.

Have you ever heard of the sugar plum tree?  
Tis a marvel of great renown!  
It blooms on the shore of the Lollypop Sea  
in the garden of Shut-Eye Town.

A: Eugene Field

742 Q: According to Robert Benchley, what type of theatrical presentation "is where a guy gets stabbed in the back and instead of dying, he sings"?

A: opera

743 Q: What two states were admitted to the Union in 1959?

A: Alaska, Hawaii

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 744 Q: This describes the circumstances that led to what book?  
Elsa came into the lives of George and Joy Adamson in 1956 with her two sisters, Big One and Lusia, when George was forced to kill their mother during one of his game drives.
- A: Born Free
- 745 Q: In the 17th century, most of the immigrants to the New World were of what nationality?
- A: English
- 746 Q: To carve her great auk masterpiece, Carlotta spent  $8\frac{1}{5}$  hours Tuesday and  $7\frac{5}{6}$  hours Wednesday whittling, for a total of how many hours?
- A:  $16\frac{1}{30}$
- 747 Q: How many syllables are in the first line of Longfellow's poem, "Paul Revere's Ride" up to and including the word "hear"?
- A: 9
- 748 Q: A certain mom and dad who were fond of palindromes named their fraternal twins Nella and ...
- A: Allen
- 749 Q: In the mid-1800s, what were all of the following?  
The Baltimore Sun  
The Philadelphia Public Ledger  
The Toledo Blade  
The Pittsburgh Post-Gazette
- A: newspapers
- 750 Q: What is the average of the first five numbers that are either composite or prime?
- A: 4
- 751 Q: In drama, a play is divided into acts and acts are divided into what?
- A: scenes
- 752 Q: In 2008, on what planet was the baby red spot absorbed by the Great Red Spot?
- A: Jupiter
- 753 Q: Who is the central character in these books by Seymour Simon?  
The Gigantic Ants and Other Cases  
The Hurricane Hoax and Other Cases  
A Voyage to Outer Space and Other Cases  
The Secret of the Loch Ness Monster and Other Cases
- A: Adam "Einstein" Anderson
- 754 Q: An object in geosynchronous orbit circles the the Earth once every how many hours?
- A: 24
- 755 Q: What part of speech is used after a linking verb to modify the subject?
- A: adjective
- 756 Q: In what form of theatrical presentation is dramatic speech routinely sung?
- A: opera

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

757 Q: The temperature at which a liquid becomes a solid is what point?

A: freezing point

758 Q: How many dimensions does a surface have?

A: 2

759 Q: What body system has these functions?

- protecting the body against pathogens and excessive water loss
- insulation
- temperature regulation
- production of vitamin D
- tactile sensation

A: integumentary system (skin)

760 Q: What is Y to the fourth power if Y is 3?

A: 81

761 Q: Outside of Asia, what is the world's highest mountain range?

A: Andes

762 Q: A series of over a dozen sequels called the "Glad Books" feature what central character originally created by Eleanor Porter?

A: Pollyanna

763 Q: Supposedly you can catch a bird if you sprinkle what substance on its tail?

A: salt

764 Q: To help prevent inflation, the Federal Reserve may raise what kind of rates?

A: interest rates

765 Q: The name of what Latin American country is the last word in this punnish statement?

You say you are from South America,  
but I do not ...

A: Bolivia

766 Q: These are parts of what body system?

melanocytes, pores, sebaceous glands,  
hair follicles, sweat glands

A: integumentary system (skin)

767 Q: A "roaring pain" is a spoonerism for what meteorological condition?

A: pouring rain

768 Q: Something that is subcutaneous is below what?

A: the skin

769 Q: Driver gear A meshes with gear B which meshes with gear C. In what clock direction does gear C turn if gear A turns in a counterclockwise direction?

A: counterclockwise

770 Q: During the 17th century, what was the largest town in the Massachusetts Bay Colony?

A: Boston

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

771 Q: Natasha the Nogoodnik kidnapped little R.J. Squirrel and demanded payment of 500 rubles for his return. What is the term for this amount asked for the return of a captive?

A: ransom

772 Q: What term for a sovereign was derived from a Greek prefix meaning "one" and the verb "arkhein" meaning "to rule"?

A: monarch

773 Q: Marissa Meyer's popular series of novels have titles with allusions. "Cinder" alludes to Cinderella, "Scarlet" to Red Riding Hood, "Cress" to Rapunzel, and "Fairest" to what other character in a German fairy tale?

A: Snow White

774 Q: If you have a 55-gallon barrel of toxic sludge, how many quart jars are needed to repackage it?

A: 220

775 Q: A rectangular field is 75 meters long and 15 meters wide. If you run around it three times, how far do you run?

A: 540 meters

776 Q: Mr. Turner had \$182 million in his checking account at the beginning of June. He spent \$24 million for a TV station, \$850,000 for a bauble for Jane, and \$318.50 for Gummy Bears. How much was left in his account?

A: \$157,149,681.50

777 Q: In the late 13th century, what textile was the major export from China?

A: silk

778 Q: When an impact breaks some internal water-containing structures of a fruit, the resulting soft spot is called a what?

A: bruise

779 Q: These are cities and towns occupying land that was purchased from what country?  
Bethel, Palmer, Soldotna, Kotzebue, Wrangell

A: Russia

780 Q: Lapland is in the northern part of what continent?

A: Europe

781 Q: Which state that borders upon Mexico extends farthest north?

A: California

782 Q: How many states form the southern border of South Dakota?

A: 1

783 Q: Compost was selling at \$1.79 per pound. Max was charged \$1.06 for the compost he bought. To the nearest hundredth, how much did his compost weigh?

A: .59 pound

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

784 Q: What does the genus term in these words mean?

Homo habilis  
Homo erectus  
Homo sapiens

A: man

785 Q: Three conditions must be present for seeds to germinate including air, warmth, and what else?

A: moisture (water)

786 Q: European settlers in Australia drove what original inhabitants off their traditional lands?

A: Aborigines

787 Q: Revolution means that an object is turning about an axis located outside of itself. What is the term for spinning about on an axis located within the object?

A: rotation

788 Q: How many single-digit prime numbers are there?

A: 4

789 Q: Land in what two U.S. states was augmented by the Gadsden Purchase?

A: Arizona, New Mexico

790 Q: These are the first lines of a song about what table?

There's hydrogen and helium, then lithium,  
beryllium, boron  
Carbon everywhere, nitrogen all through the air  
With oxygen so you can breathe, and fluorine  
for our pretty teeth,  
Neon to light up the signs, sodium for salty  
times.

A: periodic table

791 Q: What kind of colors are midway between the primaries that can be mixed to produce them?

A: secondary colors

792 Q: If two straight lines intersect, they do so at how many points?

A: 1

793 Q: A cuboid has how many flat sides?

A: 6

794 Q: An image of what U.S. president is on the U.S. dime?

A: Franklin Roosevelt

795 Q: What Canadian province is adjacent to the Pacific Ocean?

A: British Columbia

796 Q: What is wrong with these lyrics sung by English boys around 1830?

To the west, to the west,  
to the land of the free  
Where the mighty Missouri  
rolls down to the sea

A: Missouri River doesn't go to sea.

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 797 Q: In what book by Richard Adams is a band of Berkshire rabbits forced from their home in Sandleford Warren?
- A: Watership Down
- 798 Q: What U.S. state has a name that originally meant "Indian ground" or "land of the Indians"?
- A: Indiana
- 799 Q: Multiply the square root of 5 by the square root of 5.
- A: 5
- 800 Q: What biome is illustrated by the vast, mostly flat, treeless Arctic regions of Europe, Asia, and North America?
- A: tundra
- 801 Q: At the outset of the war, the American army had fifty-five planes. By war's end, there were nearly 17,000 planes in service. What war was this?
- A: World War I
- 802 Q: What is the phrase for the claustrophobic reaction that sometimes occurs when people are confined to a small, remote dwelling for an extended period?
- A: cabin fever
- 803 Q: A right triangle rotated about one of its legs produces what solid figure?
- A: cone
- 804 Q: With only 1.86 million votes against 2.81 million for his combined opponents, Abraham Lincoln garnered only a minority of the popular votes. Since he won the presidency, he must have had a majority of what other kind of votes?
- A: electoral votes
- 805 Q: What figure of speech is used in this caption for a cartoon?  
Creepy Cat Cooks Cocker Spaniel  
for Crazy Carnivorous Cows
- A: alliteration
- 806 Q: What planet is eighth from the Sun?
- A: Neptune
- 807 Q: What U.S. federal agency was formed in response to the successful launch of Sputnik by the Soviet Union?
- A: NASA (National Aeronautics and Space Admin.)
- 808 Q: What is the term for vibrations that propagate as audible mechanical waves of pressure and displacement through a medium?
- A: sound
- 809 Q: Name the wormlike larval stage of a fly.
- A: maggot
- 810 Q: What general category of rock is formed when lava stops moving and cools?
- A: igneous rock

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

811 Q: Something done out of affection or a deep abiding interest is called a labor of what?

A: love

812 Q: This is about what kind of storm?  
The most destructive one occurred in Annapolis, Missouri in 1925. In three hours, it tore through the town leaving a 980-foot-wide trail of demolished buildings, uprooted trees, overturned cars, and 823 dead.

A: tornado

813 Q: Which is last on an alphabetical list of the branches of the U.S. armed forces?

A: Navy

814 Q: In a criminal case, what are the two possible verdicts of a jury?

A: guilty, not guilty

815 Q: What term can indicate either a part of a circle or one of the two bones in the lower forearm?

A: radius

816 Q: What category of elements provides the only solid conductors at room temperature?

A: metals

817 Q: In the U.S., name the time zone between the eastern and mountain time zones.

A: Central Time Zone

818 Q: What kind of animal is Dr. Dolittle's Too-Too?

A: owl

819 Q: By the end of the ninth century, settlers on what island had founded towns including Cork, Limerick, Waterford, and Dublin?

A: Ireland

820 Q: In the novel, "Amos Fortune, Free Man," a young African prince is sold into slavery and taken to America where he learns what skilled trade relating to animal hides that enables him to buy his freedom?

A: tanning

821 Q: At zero degrees C, hydrogen weighs .000090 grams per cubic centimeter while air weighs .00129 grams per cubic centimeter. To the nearest whole number, how many times heavier is the air?

A: 14

822 Q: How many miles per hour must you travel to reach a rendezvous 27 miles away in 30 minutes?

A: 54 mph

823 Q: In one square meter, there are how many square centimeters?

A: 10,000

824 Q: What preposition usually begins a phrase that follows these adjectives?  
afraid, aware, fond, capable, proud

A: of

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

825 Q: The Articles of Confederation, the Declaration of Independence, and what other important document in American history were signed at Independence Hall?

A: U.S. Constitution

826 Q: This is from a version of what story?  
If you should ever feel tempted to try a piece of magic on your own, remember that stopping a spell is just as important as starting one, and sometimes more important, as the unfortunate apprentice found out.

A: The Sorcerer's Apprentice

827 Q: What word can be added to the ending of these words to make compound words?

star  
air  
flag  
hard  
battle  
citizen

A: ship

828 Q: In 2019, the air and structures in the capital city of Egypt turned a bizarre orange color as a result of what kind of violent storm?

A: sandstorm (dust storm)

829 Q: Lois Lowry's novel, "Number the Stars," is set in what Scandinavian country during World War II?

A: Denmark

830 Q: The three bright stars in a row in the constellation Orion are said to represent what article of clothing?

A: belt

831 Q: What constellation near Aquarius and Andromeda is named for a Greek mythological winged steed?

A: Pegasus

832 Q: The time it takes for the human population to double can be computed by taking the annual growth rate and dividing it into 70. So, at 2% annual growth, the world's population of 6 billion in 2000 will be 12 billion in what year?

A: 2035

833 Q: What goal stated by President Kennedy in 1961 involving a 240,000-mile journey was achieved eight years later?

A: manned lunar landing

834 Q: Terrestrial ecosystems include all land environments. What kind of ecosystems include all marine and freshwater environments?

A: aquatic

835 Q: What story by Jan Slepian concerns the friendship of Lester, whose cerebral palsy makes him look "like a puppet whose manager has been goosed by lightning," and Alfred, a skinny kid with black curls, dark eyes and "nothing going on inside or outside"?

A: The Alfred Summer

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

836 Q: One ounce of what element can be drawn out to a distance of 43 miles, making it the most ductile of all elements?

A: gold

837 Q: What is the least common multiple of 5, 6, and 15?

A: 30

838 Q: Photoperiodism applies to the flowering of plants as well to animal breeding and migration. It is the response of an organism to changes in the length of what?

A: daylight (daytime)

839 Q: How many leagues are in the title of a story by Jules Verne?

A: 20,000

840 Q: Simplify the ratio of 2 1/2 to 1/2.

A: 5 to 1

841 Q: Mildred saves \$2.50 per week from her belly-button lint recycling business. In how many weeks will she have saved \$30?

A: 12

842 Q: What is the next number in the sequence that begins with these numbers?  
9, 3, 1, 1/3, ...

A: 1/9

843 Q: One who brings disgrace to a family is what kind of sheep?

A: black sheep

844 Q: The history of what archipelago is associated with the House of Kamehameha?

A: Hawaii

845 Q: What famous dwarf planet was named for the Roman god of the dead and ruler of the underworld?

A: Pluto

846 Q: What kind of medieval organization might include these kinds of specialists?  
armorers, weavers, bakers, leatherworkers,  
cobblers, candlemakers, bookbinders, masons

A: guilds

847 Q: What is the name for room-sized safes?

A: vaults

848 Q: What adverb completes this silly verse?

The ostrich is a silly bird,  
With scarcely any mind.  
He often runs so very fast,  
He leaves himself ...

A: behind

849 Q: According to what U.S. historical document was each state entitled to one vote in the national legislature?

A: Articles of Confederation

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

850 Q: America's first presidential inaugural address was delivered in what city?

A: New York

851 Q: In this song title, how many words should be capitalized?  
one million billionth of a millisecond on a  
sunday morning.

A: 6

852 Q: What proverb relating to a series of interconnected metal rings could mean that the vigor of a group depends on the individual vigor of each of its members?

A: A chain is only as strong as its weakest link.

853 Q: What process that slows microbial growth in foods was invented by a French chemist?

A: pasteurization

854 Q: Sometimes followed by a tail, what is the posterior region of an insect's body behind the thorax called?

A: abdomen

855 Q: How many nouns are in this statement?  
The greater the hurry, the slower the traffic.

A: 2

856 Q: The last catastrophic slip of the San Andreas Fault occurred in 1857, producing an earthquake estimated on the Richter scale at 8.3. Geologists have found that such enormous slippages occur, on average, every 140 years. Based on this, the next major slip should have occurred in what year?

A: 1997

857 Q: The Dred Scott decision of 1857 encouraged slaveowners and enraged what group of people who opposed slavery?

A: abolitionists

858 Q: This was about what vehicle?  
About one minute after lift-off, a fuel tank  
fire started, and only a few seconds later, the  
spacecraft went down in flames, its pieces  
falling 60,000 feet into the Atlantic.

A: Challenger

859 Q: The ratio of X to Y is 5/13. What is the ratio of 3Y to X?

A: 39/5

860 Q: According to Newton's third law of motion, for every force there is an equal and what?

A: opposite force

861 Q: What noun relating to rocketry was derived from the Latin stem "intrare" meaning "within" and the prefix "re" meaning "again"?

A: reentry

862 Q: In a mass production system, workers remain in one place repetitively performing a single operation on products passing them by means of what system of continuous transport?

A: conveyor belts

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

863 Q: Through judicial review, the Supreme Court may rule that a law violates the Supreme Law of the Land and declare it what?

A: unconstitutional (void)

864 Q: A person who types 360 words in 6 minutes types at a rate of how many words per minute?

A: 60

865 Q: These belong to which of the three broad categories of rocks?  
flint, chert, dolomite, shale, siltstone

A: sedimentary

866 Q: Who, in 1902, became the first U.S. chief executive to ride in an automobile?

A: Theodore Roosevelt

867 Q: Raise the number 3 to the fourth power.

A: 81

868 Q: With what mountain range were the mountain men of the 1800s mainly associated?

A: Rocky Mountains

869 Q: From an airplane, you see where a stream's path is abruptly diverted for several hundred yards 90 degrees from its course before it again flows in its original direction. What is the likely natural cause of this diversion?

A: a fault

870 Q: 37 1/2 percent of what number is 72?

A: 192

871 Q: If 81.76% of the Sun consists of hydrogen and 18.17% of it is helium, to the nearest whole number, all of the other 64 known elements in the Sun comprise what percentage?

A: .07

872 Q: In 1839, the Scottish blacksmith Kirkpatrick MacMillan made it possible for a person to travel under his own power faster than he could run by inventing what vehicle?

A: bicycle

873 Q: What is the common difference in this sequence?  
20, 17, 14, 11, 8, ...

A: -3

874 Q: The balcony of Federal Hall in New York City in 1789 was the setting for whose inauguration?

A: George Washington

875 Q: How many accents are in each line of this poem by Longfellow?  
There he sang of Hiawatha  
Sang the Song of Hiawatha  
Sang his wondrous birth and being,  
How he prayed and how he fasted,  
How he lived and toiled and suffered

A: 4

876 Q: The Battle of the Bulge and the Invasion of Normandy occurred during what war?

A: World War II

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

877 Q: What are the skilled gymnasts in circuses called?

A: acrobats

878 Q: Fish were once the dominant creatures on Earth. Some developed fins capable of supporting their weight and the capability to breathe air. These moved onto the land and became the earliest ancestors of what class of vertebrates that includes salamanders and frogs?

A: amphibians

879 Q: What is the meaning of the suffix in words such as thrombocyte, phagocyte, osteocyte, and erythrocyte?

A: cell

880 Q: Steel consists of 99% iron and 1% carbon. How many kilograms of carbon are needed to make 4 tons of steel?

A: 80

881 Q: In the poem, what creature that crowed in the morn woke the judge all shaven and shorn that married the man all tattered and torn that kissed the maiden all forlorn?

A: rooster (cock)

882 Q: Early in the story of "The Wizard of Oz" we learn that what character has lost his brains?

A: scarecrow

883 Q: Although declared extinct in 1936, there have been hundreds of reported sightings in Australia of a large carnivorous marsupial called the Tasmanian what?

A: tiger (or wolf)

884 Q: These are among the largest cities on what continent?

Kinshasa, Addis Ababa, Casablanca, Abuja,  
Abidjan, Alexandria

A: Africa

885 Q: The last Monday of what month is set aside in the U.S. to honor those in the armed forces who sacrificed their lives in the line of duty?

A: May

886 Q: The name for what form of government was based on these Greek words?

kratia  
demos

A: democracy

887 Q: These are the main languages of what European region?

Icelandic, Faroese, Swedish, Norwegian, Danish

A: Scandinavia

888 Q: Express 55 as a Roman numeral.

A: LV

889 Q: In degrees, what is the altitude of a star that is directly overhead?

A: 90 degrees

890 Q: What two letters have been replaced with "z" in this passage?

I sz you have bzn to Grzce again.

A: ee

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 891 Q: In lowest terms, express the ratio of 108 inches to 3 feet.  
A: 3 to 1 (or 3)
- 892 Q: In lowest terms, the term of office for a U.S. senator is what fraction of a century?  
A: 3/50
- 893 Q: What are two acceptable forms for the past tense of "sink"?.  
A: sank, sunk
- 894 Q: Overworking the soil and overgrazing began exhausting the land of North Africa as early as 3000 B.C., and directly contributed to the formation of what desert?  
A: Sahara
- 895 Q: In 2016, a team of six skydivers grabbed their brooms and leaped from an airplane to play a version of what game highlighted in J.K. Rowling's book series?  
A: Quiddich
- 896 Q: Name the sweet liquid produced in flowering plant glands called nectaries.  
A: nectar
- 897 Q: In what country is the Leonardo da Vinci Airport?  
A: Italy
- 898 Q: What two countries emerged as the world's superpowers at the end of World War II?  
A: United States, Soviet Union
- 899 Q: What geological term for a category of rock means "fire-formed"?.  
A: igneous
- 900 Q: Express in lowest terms the quotient of  $(1 \frac{1}{7}$  multiplied by  $2 \frac{11}{12}$ ) divided by  $\frac{8}{9}$ .  
A:  $3 \frac{3}{4}$
- 901 Q: What vitamin that is not present in butter, cheddar cheese, and beef is especially abundant in papayas, kiwifruit, and bell peppers?  
A: vitamin C
- 902 Q: What is the object of the last prepositional phrase in this quote?  
As scarce as truth is, the supply has always been in excess of the demand.  
A: demand
- 903 Q: In Robert Louis Stevenson's book, what Jim calls Treasure Island is given what other name by Captain Flint that refers to an anatomical structure?  
A: Skeleton Island
- 904 Q: A toxicologist studies the effects of what substances on the body?  
A: poisons (toxins)
- 905 Q: Name the largest Latin American country that did not gain its independence from Spain.  
A: Brazil

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

906 Q: At a certain point in a play, a dish is dropped onto the floor, signaling an actress to enter the scene. What is the name for such a signal?

A: cue

907 Q: What enormous dam that backs up the waters of the Yangtze River was completed in 2012?

A: Three Gorges Dam

908 Q: What saying regarding a great city on the Italian Peninsula means that major achievements and worthwhile tasks are not accomplished without patient perseverance?

A: Rome was not built in a day.

909 Q: If you see a flash of lightning and count twenty seconds until you hear thunder, the lightning struck about how many miles from you?

A: four

910 Q: What adjective has these meanings?

- financially sound
- having force of character
- having great binding strength
- physically powerful
- having an offensive effect on the senses of taste or smell

A: strong

911 Q: The Weddell seal dives to depths of 1600 feet. To the nearest tenth, this is what part of a mile?

A: three tenths

912 Q: New York has how many more senators in the U.S. Senate than Alaska?

A: no more

913 Q: What is the abundant and chemically active ingredient of air?

A: oxygen

914 Q: What two letters are not on a telephone keypad?

A: Q, Z

915 Q: Name the island chain extending southwest from the Alaskan peninsula.

A: Aleutians

916 Q: Books, shovels, chairs, and jackets are goods. What do economists call such things as haircutting, accounting, teaching, and taxi-driving?

A: services

917 Q: What powder consists of grains with a hard coat to protect the sperm cells during their movement between the stamens and the pistil of flowering plants or from the male cone to the female cone of coniferous plants?

A: pollen

918 Q: On his third voyage to the Pacific, who became the first white person to set foot on Hawaii?

A: James Cook

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

919 Q: What U.S. Founding Father was born in the West Indies, came to the colonies as a teenager, and later was a member of the Continental Congress, an author of the Federalist Papers, and the first secretary of the treasury?

A: Alexander Hamilton

920 Q: With what mountain range is yodeling particularly associated?

A: Alps (Swiss Alps)

921 Q: What is the everyday name for the fibrous tissue that replaces normal skin after an injury?

A: scar tissue

922 Q: What is the term for a condensed version of a book?

A: abridgement

923 Q: What one word could substitute for the first four in this example without loss of meaning?  
During the time that Davy grinned down the bear, Jim forged a great new knife.

A: while

924 Q: What word should have been used in this line?  
The extinction of dinosaurs may well have occurred when a steroid hit the Earth.

A: asteroid

925 Q: The name of which state may have come from a Greek island or from the Dutch phrase, "roode eylandt"?

A: Rhode Island

926 Q: Fifty-five men, representing all the states except Rhode Island attended the Constitutional Convention at Philadelphia in 1787. These men came to be known as the Founding what?

A: Fathers

927 Q: These lines are from a song named for what figure of speech?

A sound in my head that I can't describe.  
It's sort of whack, whirl, wheeze, whine,  
Sputter, splat, squirt, scrape,  
Clink, clank, clunk, clatter,  
Crash, bang, beep, buzz,  
Ring, rip, roar, retch

A: onomatopoeia

928 Q: There are no coyotes in which U.S. state?

A: Hawaii

929 Q: During what season of the year does the Sun approach the summer solstice?

A: spring

930 Q: What system built into the U.S. Constitution guarantees that no one part of the government can become too powerful?

A: checks and balances (separation of powers)

931 Q: Divide "opera" into syllables.

A: op-er-a

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

932 Q: In 2000, the Mars Global Surveyor sent back data showing the planet may have considerable subsurface water. If so, it could be consumed by astronauts or used to make rocket fuel by separating out what two elements from it?

A: oxygen, hydrogen

933 Q: Between 1949 and 1962, some 2.5 million East Germans emigrated to West Germany, but between 1962 and 1989, there were only about 5,000 emigrants. What accounted for this precipitous reduction?

A: Berlin Wall

934 Q: What word meaning "transmissible" completes this line?  
Enthusiasm, like measles, mumps, and the  
common cold, is highly ...

A: contagious

935 Q: Name the process by which a buried bone or tree limb may become permeated with minerals from the material around it, eventually producing an inorganic replica of itself.

A: petrification (fossilization)

936 Q: What is the term for those toxins certain animals inject into their victims by the means of a bite or a sting?

A: venoms

937 Q: Three-dimensional perception is also known as what other kind of perception?

A: depth (or binocular) perception

938 Q: What is another name for a sand clock, sand watch, sand timer, or sandglass?

A: hourglass

939 Q: These lyrics are from what song?  
Dwelt a miner, forty-niner

A: Clementine

940 Q: "Death" is an anagram of what past tense verb?

A: hated

941 Q: There are 40 aliens standing against a wall. Every 4th alien has 4 eyes, every 3rd alien is hairy, and every 2nd alien is green. What can you say about the 12th and 24th aliens?

A: They are hairy, green, and have 4 eyes.

942 Q: Meteorologist Mamie Melrose just announced that she expects to see a stratus cloud close to the ground on Tuesday. What is she predicting?

A: fog

943 Q: A musical tone that deviates somewhat from an expected frequency is said to be off what?

A: key

944 Q: Restate this line without an indirect object.  
Arnold gave me his accent.

A: Arnold gave his accent to me.

945 Q: Jefferson Davis was the first president of the Confederate States of America. Who was the last?

A: Jefferson Davis

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

- 946 Q: According to one critic, there are three forms of visual art. Painting is art to look at and sculpture is art you can walk around, What is the kind of art you can walk through?
- A: architecture
- 947 Q: While Arkklahoma is a region encompassing parts of Arkansas and Oklahoma, parts of what two states are in the region called Illiana?
- A: Illinois, Indiana
- 948 Q: What strait is the entry point into the Mediterranean from the Atlantic?
- A: Strait of Gibraltar
- 949 Q: As demonstrated by Eli Whitney, what kind of parts are necessary to produce goods on modern assembly lines?
- A: standardized (congruent, interchangeable)
- 950 Q: Regarding temperatures on different scales of measurement, 0 is to 32 as 100 is to what?
- A: 212
- 951 Q: Always use "don't" with plural subjects and what corresponding contraction with singular subjects?
- A: doesn't
- 952 Q: What highly contagious reflex behavior is associated with exhaustion and boredom?
- A: yawning
- 953 Q: What pronoun in the Preamble to the Constitution indicates the people of the U.S.?
- A: we
- 954 Q: What is the minimal number of recording tracks required to achieve stereophonic sound?
- A: 2
- 955 Q: The names of almost two-thirds of the chemical elements end with what three letters?
- A: ium
- 956 Q: John Hancock's most famous signature appears on what document?
- A: Declaration of Independence
- 957 Q: What is (-3) to the 4th power?
- A: 81
- 958 Q: Pond water takes on a greenish hue during the summer months because of the growth of what eukaryotic, photosynthetic organisms?
- A: algae
- 959 Q: Fred dug 12 carrots and 15 turnips. Fran dug 16 carrots and some turnips. If the ratio of veggies dug by these folks is the same, how many turnips did Fran dig?
- A: 20
- 960 Q: There are 1960 bedbugs in Mr. Crabtree's square hunting cabin. Their density is 40 per square foot. What are the dimensions of the cabin?
- A: 7' x 7'

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

961 Q: What is a basketball referee signaling when he extends both arms upward with his thumbs pointing up?

A: jump ball

962 Q: What sea adjacent to Mexico was named for a conquistador?

A: Sea of Cortes

963 Q: In a story by Edward Everett Hale, the character named Philip Nolan was convicted of treason and was described as a man without what?

A: a country

964 Q: What bone is practically parallel to the ulna?

A: radius

965 Q: In Tornado Alley, cold dry air from Canada and the Rockies meets warm moist air from what body of water to the south?

A: Gulf of Mexico

966 Q: While "weather" refers to meteorological conditions over short periods of time, what term indicates the weather conditions that prevail in a given region over years or decades?

A: climate

967 Q: What is the first prepositional phrase in this sentence?

It smoothly crossed the beds of seaweed quickly during the night.

A: of seaweed

968 Q: This is about whom?

Despite his spirited campaign, the Republican national convention nominated Richard Nixon on the first ballot. Even so, he had his foot in the door, making the country realize that a Hollywood actor could be in the running.

A: Ronald Reagan

969 Q: How many times older is a bacterium that lived 3 billion years ago than a hominid that lived 2 million years ago?

A: 1500 times

970 Q: In the 18th century, Gilbert du Motier, the Marquis de Lafayette, became a major general in what American army?

A: Continental Army

971 Q: This is from a parody of what seasonal song?

I'm dreaming of a new body  
With every chocolate I unwrap.  
But I can't stop eating, I can't stop cheating,  
There's just too many Christmas snacks.

A: White Christmas

972 Q: A ship sailing due east from Cape Town, South Africa would first make landfall in what country?

A: Australia

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

973 Q: What are three consecutive numbers with a sum of 18?

A: 5, 6, and 7

974 Q: What is the infinitive phrase in this line?

It is generally inadvisable to eject directly  
over the area you just bombed.

A: to eject

975 Q: What word completes these cliches?

---- under the collar  
in a lot of ---- water  
full of ---- air

A: hot

976 Q: What two countries are on the Korean Peninsula?

A: North, South Korea

977 Q: In the visual arts, what is the term for the identifiable path of a point moving in space that can vary in width, direction, and length?

A: line

978 Q: Which major category of reasoning is illustrated in this?

Gravity makes things fall. The meteorite that  
just smashed my car fell because of gravity.

A: deduction

979 Q: Replace the singular pronoun in this line with the plural possessive pronoun.

The spotted owl is his.

A: The spotted owl is theirs.

980 Q: Spell the heteronym which means either the forward part of a vessel or an archer's weapon.

A: bow

981 Q: Name the lost island in a series of stories created by James Gurney where survivors of shipwrecks learn to work and play with dinosaurs.

A: Dinotopia

982 Q: What Greek formulated the principle explaining why huge ships weighing thousands of tons can float on water?

A: Archimedes

983 Q: What is the sum of the 5th and 6th primes?

A: 24

984 Q: Five states border the Pacific. On an alphabetical list of their capitals, which is first?

A: Honolulu

985 Q: At liftoff, space shuttles weighed about 4.5 million pounds or how many tons?

A: 2,250

986 Q: What character in "The Wizard of Oz" desperately wants a organ made of cardiac muscle?

A: Tin Man

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

987 Q: By the 1830s, America had a complete canal water route from New York City to New Orleans, and by 1840, over 3000 miles of canals had been built. But, within 20 years, most of these became unprofitable because canals had been replaced by what other mode of transportation?

A: railroad

988 Q: How many senators are from Nevada?

A: 2

989 Q: What part of your body contains a concentration of about 10,000 million neurons?

A: brain

990 Q: Angola is contiguous with what body of water?

A: Atlantic Ocean

991 Q: These lyrics, sung to the tune of "The Witch Doctor" chorus, are about what kind of verbs?

Be am is are was  
Were been  
Being have has had  
Could should must may might  
Must can  
Will would do did.

A: helping verbs

992 Q: What is the letter name for the note exactly one octave higher than the G above middle C?

A: G

993 Q: What story by Hans Christian Andersen could have had this title?

The Daughter of a Monarch and the Legume

A: The Princess and the Pea

994 Q: What is the last adverb in this verse by Dryden?

Errors, like straws, upon the surface flow.  
He that would search for pearls must dive ...

A: below

995 Q: What silvery, radioactive metal was named after a celestial body that is now classified as a dwarf planet?

A: plutonium

996 Q: This is from what fairy tale?

"Is it not magnificent?" said the two old statesmen. "Your Majesty must admire the colors and the pattern." Then they pointed to the empty looms, for they imagined the others could see the cloth.

A: The Emperor's New Clothes

997 Q: In what story by Robert Kimmel Smith is the central character, Ned, sent off to diet camp?

A: Jelly Belly

998 Q: In 1997, Hong Kong reverted to Chinese rule after 156 years as a colony of what country?

A: Great Britain (England)

## Academic Hallmarks 2021

### Minnesota Practice Questions 2021-22 Junior High Division

999 Q: What national holiday was established by presidential proclamation during the Civil War?

A: Thanksgiving

100 Q: To the nearest hundredth, 880 feet equals what part of a mile?

0

A: .17