Day 5
How We Bought Louisiana

By Helen Lockwood Coffin, 1907

1 It is a hard matter to tell just how much power a little thing has, because little things have the habit of growing. That was the trouble that France and England and Spain and all the other big nations had with America at first. The thirteen colonies occupied so small and unimportant a strip of land that few people thought they would ever amount to much. How could such insignificance ever bother old England, for instance, big and powerful as she was? To England’s great loss she soon learned her error in underestimating the importance or strength of her colonies.

2 France watched the giant and the pygmy fighting together, and learned several lessons while she was watching. For one thing, she found out that the little American colonies were going to grow, and so she said to herself: “I will be a sort of back-stop to them. These Americans are going to be foolish over this bit of success, and think that just because they have won the Revolution they can do anything they wish to do. They’ll think they can spread out all over this country and grow to be as big as England herself; and of course anybody can see that that is impossible. I’ll just put up a net along the Mississippi River, and prevent them crossing over it. That will be the only way to keep them within bounds.”

3 And so France held the Mississippi, and from there back to the Rocky Mountains, and whenever the United States citizen desired to go west of the Mississippi, France said: “No, dear child. Stay within your own yard and play, like a good little boy,” or something to that effect.

4 Now the United States citizen didn’t like this at all; he had pushed his way with much trouble and expense and hard work through bands of Indians and through forests and over rivers and mountains, into Wisconsin and Illinois, and he wished to go farther. And, besides, he wanted to have the right to sail up and down the Mississippi, and so save himself the trouble of walking over the land and cutting out his own roads as he went. So when France said, “No, dear,” and told him to “be a good little boy and not tease,” the United States citizen very naturally rebelled.
Mr. Jefferson was President of the United States at that time, and he was a man who hated war of any description. He certainly did not wish to fight with his own countrymen, and he as certainly did not wish to fight with any other nation, so he searched around for some sort of a compromise. He thought that if America could own even one port on this useful river and had the right of Mississippi navigation, the matter would be settled with satisfaction to all parties. So he sent James Monroe over to Paris to join our minister, Mr. Livingston, and see if the two of them together could not persuade France to sell them the island of New Orleans, on which was the city of the same name.

Now Napoleon was the ruler of France, and he was dreaming dreams and seeing visions in which France was the most important power in America, because she owned this wonderful Mississippi River and all this "Louisiana" which stretched back from the river to the Rockies. He already held forts along the river, and he was planning to strengthen these and build some new ones. But you know what happens to the plans of mice and men sometimes. They often go astray. Napoleon was depending upon his army to help him out on these plans, but his armies in San Domingo were swept away by war and sickness, so that on the day he had set for them to move up into Louisiana not a man was able to go. At the same time Napoleon had on hand another scheme against England, which was even more important than his plans for America, and which demanded men and money. Besides this, he was shrewd enough to know that he could not hold this far-away territory for any long time against England, which had so many more ships than France. He suddenly changed his mind about his American possessions, and nearly sent Mr. Monroe and Mr. Livingston into a state of collapse by offering to sell them not only New Orleans but also the whole Province of Louisiana.

There was no time to write to President Jefferson and ask his advice, and this was before the days of the cable; so Monroe and Livingston took the matter into their own hands, and signed the contract which transferred the Louisiana Territory to the United States for a consideration of $15,000,000. They were severely criticized by many of their own countrymen, and they had some doubts of their own about the wisdom of their action. You see, nobody knew then that corn and wheat would grow so abundantly in this territory, or that beyond the Mississippi there were such stretches of glorious pasture-lands, or that underneath its mountainous regions were such mines of gold, silver, and copper. Americans saw only the commercial
possibilities of the river, and all they wanted was the right of navigating it and the permission to explore the unknown country to the westward.

8 But Jefferson and Monroe and Livingston builded better than they knew. All this happened a hundred years ago; and today that old Louisiana Territory is, in natural resources, the wealthiest part of the whole United States. Without that territory in our possession we should have no Colorado and no Wyoming, no Dakotas, or Nebraska, or Minnesota, or Montana, or Missouri, or Iowa, or Kansas, or Arkansas, or Louisiana, or Oklahoma, or Indian Territory.

9 For all these reasons we owe our most sincere and hearty thanks to the patriotic and far-sighted men who were concerned in buying this territory for the United States.
Reading: Rehearsing and Exploring the Standards

Directions: Answer the following questions. If you need more space to write an answer, write your answer on your own paper.

1. The main idea of the first paragraph is that underestimating the American colonies was—
   A. rude.
   B. foolish.
   C. unsurprising.
   D. insulting.

2. Read this sentence from paragraph 6.

   "He suddenly changed his mind about his American possessions, and nearly sent Mr. Monroe and Mr. Livingston into a state of collapse by offering to sell them not only New Orleans but also the whole Province of Louisiana."

   The "state of collapse" described shows that the two men were—
   A. confused about the offer.
   B. stunned by the offer.
   C. anxious about the offer.
   D. thrilled by the offer.

3. In the last paragraph, the author refers to Mr. Monroe and Mr. Livingston as "far-sighted men." Which detail suggests that they were not as sure about the future as this description suggests?
   A. They had originally only asked for the island of New Orleans.
   B. They were unable to get President Jefferson’s approval on the deal.
   C. They agreed to pay $15,000,000 for the Louisiana territory.
   D. They had some doubts about the wisdom of their decision.
4 Which sentence from the selection demonstrates that American citizens were wrong in criticizing Livingston and Monroe for signing the contract with Napoleon?

A “There was no time to write to President Jefferson and ask his advice, and this was before the days of the cable; so Monroe and Livingston took the matter into their own hands, and signed the contract which transferred the Louisiana territory to the United States for a consideration of $15,000,000.”

B “They were severely criticized by many of their own countrymen, and they had some doubts of their own about the wisdom of their actions.”

C “All this happened a hundred years ago; and today that old Louisiana territory is, in natural resources, the wealthiest part of the whole United States.”

D “For all these reasons we owe our most sincere and hearty thanks to the patriotic and far-sighted men who were concerned in buying this territory for the United States.”

5 What is the best summary of the selection?

A America was a fiercely independent new country that was originally quite small in size. Older nations like Britain and France continued to treat the American people as if they were small children. This was very irritating to Americans, especially when citizens wanted to do things like use the Mississippi River to get around the country. Eventually, Americans found a way to overcome this problem.

B Thomas Jefferson was president during the Louisiana Purchase. It was his idea to send Monroe to France to join Livingston, our ambassador to France. The two men were able to talk Napoleon into giving America an incredible land deal in exchange for a large sum of money.

C America owned only the land on the eastern side of the Mississippi River. The river was owned by France, but Americans wanted to be able to get up and down it more freely. President Jefferson opened a conversation with France to buy a river port—New Orleans. In a surprise move, the French offered the Louisiana Territory instead. Monroe and Livingston agreed to this purchase for fifteen million dollars, greatly expanding the size of the country.

D At the time of the Louisiana Purchase, few Americans recognized the value of this territory. They were instead shocked about how much money Monroe and Livingston spent to purchase the territory from France and the Emperor Napoleon. Now we know those citizens were wrong and should not have criticized the two men, who did the right thing for the country.
Reading: Rehearsing and Exploring the Standards

6 According to the selection, Monroe and Livingston did all of the following EXCEPT—
   A  signed an expensive contract with Emperor Napoleon.
   B  asked the president's advice before signing a contract.
   C  made an agreement that was criticized by Americans.
   D  considered the land included in the Louisiana Territory.

7 According to the selection, what was the primary reason Napoleon decided to sell the Louisiana Territory to America?
   A  He wanted to show Americans that he supported their independence.
   B  He believed the Louisiana Purchase would help him become powerful.
   C  He needed to focus his limited resources on problems closer to France.
   D  He thought he could continue to rule the Louisiana Territory from afar.

8 How did the Louisiana Purchase ultimately most impact Americans?
   A  It allowed them to travel more easily up and down the Mississippi River.
   B  It demonstrated that President Jefferson was a wise and clever statesman.
   C  It expanded the amount of land and number of natural resources available.
   D  It cost a large sum of money that could have been used on other purchases.
The author refers to France watching “the giant and the pygmy” fighting in the Revolution. Explain who the giant is and who the pygmy is and why the author describes the two sides this way. Use details from the article to support your answer.

In paragraphs 3 and 4, the author includes dialogue representing France speaking to citizens of the United States. Explain why the author includes the dialogue. What does it suggest about France’s relationship with the United States? Use details from the article to support your answer.
The article describes a deal that occurred between France and the United States unexpectedly. Write an essay in which you describe how people's views on the deal changed over time. In your answer, give three reasons that Americans were not immediately accepting of the deal and explain why these views changed over time. Use information from the article to support your answer.

**Planning Space**

You can complete the chart below to help plan your answer.

<table>
<thead>
<tr>
<th>Why People Were Not Accepting at First</th>
<th>Why This Opinion Changed</th>
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Name ________________________________

What’s more important: being healthy or having lots of money? Explain why you think so.

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Newly discovered snail species named after teen activist Greta Thunberg

By Doyle Rice, USA Today, adapted by Newsela staff on 03.04.20

A newly discovered species of snail has been named after teen climate change activist Greta Thunberg. Scientists announced this in a new study published February 20.

The critter was discovered in Brunei on the island of Borneo. The snail now has the scientific name Craspedotropis gretathunbergae.

"The newly described snail belongs to the so-called caenogastropods, a group of land snails known to be sensitive to drought, temperature extremes and forest degradation," Menno Schilthuizen said. Schilthuizen is a snail expert and a lead author of the study.

The tiny mollusk is about 2 millimeters in size. It was discovered by citizen-scientists from the tour group Taxon Expeditions. They were on an expedition into the Borneo rain forest.

Taxon Expeditions is a Netherlands-based group. Its website says that it "organizes expeditions to remote areas for people interested in nature and science and helps them make scientific
discoveries."

The snail was found at the foot of a steep hill next to a riverbank. It was foraging at night on the green leaves of plants. Such tiny jungle snails are among the first to go extinct when it gets drier and hotter, according to Taxon Expeditions.

Citizen scientist J.P. Lim, who discovered the snail, said that "naming this snail after Greta Thunberg is our way of acknowledging that her generation will be responsible for fixing problems that they did not create. And it’s a promise that people from all generations will join her to help."

Apparently Greta was on board with the honor — the expedition team approached the teen who said that she would be "delighted" to have this species named after her.

This isn’t the first time a famous person has received such an honor. In 2018, the tour group named a new species of beetle after actor and climate activist Leonardo DiCaprio.

The study was published in the journal Biodiversity Data Journal.
Quiz

1. Read the conclusion below.

_Craspedotropis gretathunbergae can be greatly affected by big changes to its environment._

Which sentence from the article provides the BEST support for the statement above?

(A) A newly discovered species of snail has been named after teen climate change activist Greta Thunberg.
(B) The critter was discovered in Brunei on the island of Borneo.
(C) The snail was found at the foot of a steep hill next to a riverbank.
(D) Such tiny jungle snails are among the first to go extinct when it gets drier and hotter, according to Taxon Expeditions.

2. One conclusion a reader could make after reading the article is Taxon Expeditions is a group that is designed for people who want to be in nature and make scientific finds.

Which of the following statements accurately paraphrases evidence from the article to support the conclusion?

(A) Taxon Expeditions is a group that is based out of the Netherlands.
(B) Taxon Expeditions takes people to areas that are not often visited.
(C) Citizen-scientists from Taxon Expeditions helped to discover the new snail in the jungles of Brunei.
(D) Citizen-scientists from Taxon Expeditions have named beetles after Leonardo DiCaprio in the past.

3. Read the following sentence from the article.

_Apparently Greta was on board with the honor — the expedition team approached the teen who said that she would be “delighted” to have this species named after her._

How does this detail develop the article’s central idea?

(A) by highlighting Greta Thunberg’s role in the fight against climate change
(B) by highlighting the reason why Greta Thunberg first became famous
(C) by explaining why the new snail was named after Greta Thunberg
(D) by describing how Greta Thunberg reacted to the new snail’s name

4. Which sentence from the article would be MOST important to include in a summary of the article?

(A) Its website says that it "organizes expeditions to remote areas for people interested in nature and science and helps them make scientific discoveries."

(B) It was foraging at night on the green leaves of plants.

(C) Citizen scientist J.P. Lim, who discovered the snail, said that "naming this snail after Greta Thunberg is our way of acknowledging that her generation will be responsible for fixing problems that they did not create."

(D) This isn't the first time a famous person has received such an honor.
Rene is cooking a turkey for a holiday dinner. She is using the table below to figure out how long the turkey needs to cook.

<table>
<thead>
<tr>
<th>Weight (lbs.)</th>
<th>Time (hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>$1\frac{5}{6}$</td>
</tr>
<tr>
<td>10</td>
<td>$\frac{2}{3}$</td>
</tr>
<tr>
<td>15</td>
<td>$\frac{5}{2}$</td>
</tr>
<tr>
<td>20</td>
<td>$7\frac{1}{3}$</td>
</tr>
</tbody>
</table>

For how many minutes should Rene cook each pound of turkey?

A  15
B  22
C  24
D  25

The circumference of a circle is $20\pi$ cm. What is the area of the circle, in cubic centimeters?

A  $400\pi$
B  $100\pi$
C  $20\pi$
D  $10\pi$
12 Find the value of \( x \) in the equation below.

\[-5(-x + 3) = -85\]

A  -20  
B  20  
C  -14  
D  14

13 Stella can type 1,950 words in 30 minutes. Peter can type 960 words in 12 minutes. How many more words can Peter type per minute?

A  10  
B  12  
C  15  
D  22

14 Which number is equivalent to \( \frac{23}{12} \)?

A  1.916  
B  1.9\bar{1}6  
C  1.9\bar{1}6  
D  1.9\bar{1}6
A group of 50 randomly selected middle school students were asked to choose their favorite book genre. The bar graph below shows the results of the survey.

In a group of 1,000 middle school students, how many would you expect to prefer graphic novels?

A 11
B 22
C 200
D 220

At 8 a.m., the temperature was $-5^\circ$F. At 6 p.m., the temperature was $10^\circ$F. Which expression represents the change in temperature?

A $|10 - (-5)|$
B $|-5| - |10|$
C $10 + (-5)$
D $-5 - 10$
17 Which expression is equivalent to the expression shown below?

\[-\frac{1}{3}\left(\frac{1}{2}x + 6x - 3\right) + 2\]

A (2^{\frac{1}{6}})x - 3
B (-1^{\frac{5}{6}})x + 3
C (-2^{\frac{1}{6}})x + 3
D (-1^{\frac{5}{6}})x + \frac{1}{3}

18 Which number represents the probability of an event that is unlikely to occur?

A \frac{1}{2}
B 0
C 0.6
D 12%

19 Chelsea recorded the low temperature of her city every day for ten days. Her recorded temperatures are shown below.

-5°F, -7°F, 15°F, 0°F, 3°F, -2°F, 1°F, 18°F, -5°F, 2°F

What is the mean low temperature of Chelsea’s city for those ten days?

A 2°F
B -2°F
C 5.8°F
D 2.2°F
Nancy bought 5.5 pounds of grapes and paid $27.45. The following week, grapes went on sale. She bought another 3.8 pounds of grapes for $14.40. What is the difference between the regular price per pound and the sale price per pound?

Answer: ________
Day 6
How Did the Canary Do It?

By Celia Thaxter

1 A little friend of mine, who was going away for the winter, asked me to take charge of one of her canaries till she returned in the spring. The bird was a foreigner, born and bred in Fayal, Portugal, and brought across the water in his youth, a gray-green and golden little creature, whose name was Willie.

2 I gladly consented, and one day Willie was brought over from Jamaica Plain, a distance of ten miles, and deposited in my parlor. His cage was closely covered with brown paper during the journey, and he came in the car, by the roundabout way of Boston.

3 At first he seemed somewhat lonely and lost, but soon grew very happy and content in his new home; and well he might be, for he had all his wants supplied, and did not lack companions.

4 I had two canaries, a robin, and a song-sparrow, and they soon began to make beautiful music all together.

5 The sun could not rise without shining into the parlor windows; it lingered there all day, till the last glow of the evening-red faded out of the sky. At two windows the light streamed through green leaves and gay flowers, and made a most cheerful atmosphere, in which no bird could possibly help singing. The song-sparrow’s clear, friendly
notes seemed to bring May to the very door; and the robin executed, *sotto voce*, all his fine out-of-door melodies, and put one into an April mood with his sweet, melancholy rain-song.

6 Willie could not choose but be happy. So they all sang and chirruped together the whole winter through, and cheered us in that cold, sad season. Slowly the earth turned daily more and more toward the sun, and before we were ready to realize so much joy, the "willow-wands" were spangled with "downy silver," and the alder catkins began to unwind their long spirals, and swing pliant in the first winds of March. Then the melting airs of April set the brooks free, the frogs began to pipe, and there was rare music! Birds came in flocks, the soft green grass stole gradually over the land, and dandelions shone gay in the meadows. When beneath a southern window the flowering almond blossomed, I kept the windows open during fine weather, and left the bird cages on the sill the whole day. Little wild birds came and sat on the grapevine trellis above, and twittered and talked with the captives, and sometimes alighted on the cages; the pink almond sprays waved round them, and all were, or seemed to be, as happy as the day is long.

7 Willie's little mistress returned about this time, and I only awaited a proper opportunity to return my charge, safe and well, into her hands. I congratulated myself on his state of health and spirits, and thought how glad she would be to see him again. But, alas for human calculations. One afternoon I went, as usual, to take in the cage for the night: there was Dick, the robin; and Philip, the sparrow; and slender Rupert, my own canary, and his mate; but Willie of Fayal, the green and golden stranger, was gone, cage and all. I looked out of the window; there lay the cage upon the ground, empty. Imagine my consternation! Had some strange, prowling cat devoured Willie? I was in despair at the thought.

8 "If it had been any one but Willie," I said, again and again. He had been entrusted to my care; what should I say when he was required of me? In real sorrow I wrote to my youthful friend and told her all. She mourned her bird as dead, but only for a day; for what do you think happened? The most surprising thing! You never will guess; so I shall tell you all, at once.
Willie was not devoured; he escaped from his cage, and flew unerringly back to his former home, ten miles from mine. The night after he disappeared from my window, he was heard pecking at the window of the little girl's chamber, but no one noticed him; so he stayed about the house till morning, and flew in when the window was opened, and was found perched on the cage of his old companion.

Great was everybody's astonishment, as you may imagine. There was no mistaking him,—it was Willie, and no other.

Yes, really and truly. Now, how do you suppose he found his way over all those miles of unfamiliar country, straight to that chamber window? What guided him? Did he fly high or low? Probably not high; for his wings were unused to flying at all, and consequently not strong; but they bore him over woods and fields, over streets and people, over hundreds of houses, till at last his tired eyes beheld the tower and gables of his old dwelling-place rising from among the pleasant woods, and then he knew he might rest in safety.

But how could he find the way? Supposing birds to have means of communicating with each other by speech, how would he have put his questions, wishing to ask his way? Meeting a thrush, or sparrow, or any other dainty feathered creature, he might perhaps have hailed it with, "Good morrow, comrade;" but he couldn't have said, "Can you tell me the way to Jamaica Plain?" or, "Do you know where the little girl lives to whom I belong? Her name is May, and she has golden hair; can you tell me how to find her?" Do you think he could? Yet he did find her, and until last summer, was still living in that pretty chamber among the green trees.

Some time, perhaps, we shall understand those things; but until then, Willie's journey must remain one of the mysterious incidents in natural history.
Directions: Answer the following questions. If you need more space to write an answer, write your answer on your own paper.

1. Which detail from the first paragraph best supports the idea that it was amazing that Willie was able to find his way home?
   A. Willie was not from the area.
   B. Willie was gray-green and golden.
   C. Willie was not his owner's only canary.
   D. Willie was away from home during winter.

2. Read this sentence from the second paragraph.
   
   "His cage was closely covered with brown paper during the journey, and he came in the car, by the roundabout way of Boston."

   How are these details important to the ending of the story?
   A. They suggest that Willie must have flown much farther than just ten miles.
   B. They suggest that Willie could not have found his way home by remembering the route.
   C. They suggest that Willie flew home right away because he was not used to being free.
   D. They suggest that Willie was not treated as well by his owner as he was by his minder.

3. How does the author most likely feel about Willie's actions at the end of the story?
   A. embarrassed that he escaped and made her look bad to her friend
   B. curious about what happened but glad he arrived home safely
   C. saddened that he flew away from the home she provided him
   D. baffled about how he did it and determined to find out more
4. Which sentence from the selection best illustrates that Willie was an amazing bird?
   A. "The bird was a foreigner, born and bred in Fayal, Portugal, and brought across the water in his youth, a gray-green and golden little creature, whose name was Willie."
   B. "At first he seemed somewhat lonely and lost, but soon grew very happy and content in his new home; and well he might be, for he had all his wants supplied, and did not lack companions."
   C. "Willie could not choose but be happy."
   D. "Yet he did find her, and until last summer, was still living in that pretty chamber among the green trees."

5. The author develops the central idea over the course of the selection by—
   A. explaining the amount of time it took for the birds to get to know one another before singing together.
   B. sharing her careless behavior in leaving the cage on the open window sill just before Willie went missing.
   C. describing how long Willie was away from home before finding his way back there.
   D. telling about the songs of the birds before the season changed from winter to the spring.

6. How do the other birds in the narrator's house impact Willie?
   A. Their singing makes him seem ordinary.
   B. Their heavy weight causes his cage to fall.
   C. Their company makes him feel contented.
   D. Their noisy sounds attract many wild birds.
The reader can tell where Willie wants to live because he—

A. sings fewer songs in his winter home.
B. plans his escape from the window sill.
C. seems upset at being with other birds.
D. flew many miles to return to his home.

What impact does the setting have on the action of the selection?

A. Because it is winter, Willie moves in with the narrator.
B. Once springtime comes, the windows are opened.
C. Because it is spring, the birds start singing songs.
D. Once winter has passed, Willie can return home.
In paragraph 5, the author uses sensory details to create a pleasant mood. Complete the chart below by identifying the two main senses used in the paragraph. For each sense, give two examples of the sensory details.

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In paragraph 6, the author describes the season changing from winter to spring. Describe how the author uses imagery to emphasize the beauty of spring. Include at least two specific images in your answer.
The story is titled to show that the main idea is that it is both curious and amazing that Willie was able to fly home. Describe three other techniques the author uses to emphasize how curious and amazing Willie's actions were. Use information from the story to support your answer.

**Planning Space**

You can complete the graphic organizer below to help plan your answer.

How the Author Shows Willie's Actions Were Curious and Amazing

- Technique 1
- Technique 2
- Technique 3

- Supporting Details
- Supporting Details
- Supporting Details
If you ran your school, how would you change things?
"Mini-moon" discovered orbiting Earth, but won't be there for long

By Adrianna Rodriguez, USA Today on 03.09.20

Word Count 386

Level MAX

After billions of years, it looks like the moon found some temporary company. A "mini-moon" has recently entered the Earth's orbit.

The discovery was made the night of February 15. Senior research specialist Kacper Wierzchos and research specialist Theodore Pruyn discovered it. Both work with the Catalina Sky Survey at the University of Arizona College of Science.

Wierzchos tweeted enthusiastically on February 25 that the "mini-moon" is called 2020 CD3. Out of the nearly 1 million known asteroids, it's the second known asteroid in history to orbit Earth. The first was called 2006 RH120. It was also discovered by the Catalina Sky Survey.

The "mini-moon" is about 6 to 11 feet across and entered the Earth's orbit about three years ago, Wierzchos said in his tweet. For comparison, the moon has a radius of 2,158.8 miles, according to NASA.
The International Astronomical Union's Minor Planet Center cataloged the asteroid February 25. It says the "object is temporarily bound to Earth" and that "no link to a known artificial object has been found."

Derek Buzasi, professor of physics at Florida Gulf Coast University, said he doesn't expect the refrigerator-sized asteroid to stay in Earth's orbit for longer than another month or two. However, he's excited about the discovery as it could mean big things for astronomers in the future.

"We know this happens all the time but finding them is very hard," he said. "It's a reminder that something that size can get close to us and it's worthwhile to invest the relatively small amount of money to find them."

Buzasi said that obtaining samples of small, close asteroids and bringing them to Earth is much more beneficial to astronomers than sending over robotic explorers to large asteroids. Studying these rocky asteroids can help scientists learn more about the primordial solar system.

But unfortunately, by the time June rolls around, our "mini-moon" will probably be long gone.

According to NASA, there are more than 200 known moons in our solar system. Most of them orbit big planets like Saturn and Jupiter. Saturn and Jupiter have 82 and 79 moons respectively.
Quiz

1. Read the following sentence from the article.

   *Studying these rocky asteroids can help scientists learn more about the primordial solar system.*

   How does this detail develop the article’s CENTRAL idea?

   (A) by showing the difficulty in identifying these small asteroids from Earth
   (B) by suggesting that asteroids might eventually present a hazard to the Earth
   (C) by explaining how scientists benefit from studying asteroids like the “mini-moon”
   (D) by describing the parts of the solar system that are still a mystery to astronomers

2. Which sentence from the article would be MOST important to include in a summary of the article?

   (A) Wierzchos tweeted enthusiastically on February 25 that the “mini-moon” is called 2020 CD3.
   (B) For comparison, the moon has a radius of 2,158.8 miles, according to NASA.
   (C) However, he’s excited about the discovery as it could mean big things for astronomers in the future.
   (D) Saturn and Jupiter have 82 and 79 moons respectively.

3. What is MOST likely the reason the author included the detail that Kacper Wierzchos tweeted about the name of the “mini-moon”?

   (A) to highlight the work of the Catalina Sky Survey
   (B) to explain the ways that space objects are named
   (C) to convey the excitement of the discovery among astronomers
   (D) to show that scientists are not always serious about their work

4. Read the following selection.

   *The International Astronomical Union’s Minor Planet Center cataloged the asteroid February 25. It says the "object is temporarily bound to Earth" and that "no link to a known artificial object has been found."*

   Why did the author include this event?

   (A) to give the discovery of the "mini-moon" an official status
   (B) to state concerns about the "mini-moon" colliding with Earth
   (C) to explain that the "mini-moon" was examined for any problems
   (D) to indicate that the orbit of the "mini-moon" would be temporary
There are 168 boys and 192 girls enrolled at Smithtown Middle School. The table below shows the number of boys and girls in each of the four 7th-grade classes.

<table>
<thead>
<tr>
<th>Class</th>
<th>Boys</th>
<th>Girls</th>
</tr>
</thead>
<tbody>
<tr>
<td>701</td>
<td>14</td>
<td>16</td>
</tr>
<tr>
<td>702</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>703</td>
<td>12</td>
<td>18</td>
</tr>
<tr>
<td>704</td>
<td>15</td>
<td>18</td>
</tr>
</tbody>
</table>

For which class is the ratio of boys to girls proportional to the ratio of boys to girls in the whole school?

A 701  
B 702  
C 703  
D 704  

Look at the figure below.

Which two expressions both represent the perimeter of the square?

A \(2x - 1\) and \(2(2x - 1)\)  
B \((2x - 1)(2x - 1)\) and \((2x - 1)^2\)  
C \(4(2x - 1)\) and \(2x - 1 + (2x - 1) + (2x - 1) + (2x - 1)\)  
D \(8x - 1\) and \((2x - 1) + (2x - 1) + (2x - 1) + (2x - 1)\)
27. Which representation shows a proportional relationship between $x$ and $y$?

A [Graph A]

B [Graph B]

C

<table>
<thead>
<tr>
<th>$x$</th>
<th>$y$</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

D

<table>
<thead>
<tr>
<th>$x$</th>
<th>$y$</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>8</td>
<td>24</td>
</tr>
<tr>
<td>9</td>
<td>27</td>
</tr>
<tr>
<td>11</td>
<td>33</td>
</tr>
</tbody>
</table>

28. Benjamin will receive a 15% raise in his salary next month. If his current salary is represented by $n$, which expression represents his new salary?

A $0.15n$

B $n + 0.85n$

C $0.85n$

D $1.15n$
Use the information below to answer questions 29 and 30.

Josie bought gift cards to give her friends and family as holiday gifts.

- She spent a total of $185.
- She bought 3 gift cards from the movie theater for $20 each.
- She bought some music store gift cards for $25 each.

29 Which equation can be used to determine $x$, the number of music store gift cards Josie bought?

A $3(20) + 25x = 185$
B $60x + 25 = 185$
C $3x + 25 = 185$
D $3x + 25x = 185$

30 How many music store gift cards did Josie buy?

A 2
B 3
C 4
D 5

31 Trevor had $592 in his bank account. After he performed two transactions, his balance was still $592. Which transactions could he have performed?

A deposited a check for $92 and then withdrew $500
B deposited a check for $80 and then withdrew $80
C withdrew $500 and then withdrew $92
D deposited two checks for $400 and $192

Go On
Maia went on a trip to Europe. She had to exchange her U.S. dollars for euros. The table below shows how many euros she received in exchange for each quantity of dollars.

<table>
<thead>
<tr>
<th>U.S. Dollars</th>
<th>Euros</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>222.5</td>
</tr>
<tr>
<td>185</td>
<td>164.65</td>
</tr>
<tr>
<td>315</td>
<td>280.35</td>
</tr>
<tr>
<td>275</td>
<td>244.75</td>
</tr>
</tbody>
</table>

On her last day, Maia exchanged 48 euros for U.S. dollars. How much did she receive?

A $42.72  
B $43.85  
C $51.78  
D $53.93

Mr. Parks earns a salary of $5,000 per month. He also receives a bonus of $250 every time he retains a new client for his company. Which equation represents the amount of money, \( m \), that Mr. Parks will earn in one year if he retains \( c \) clients?

A \( m = 250c + 5,000 \)  
B \( m = 250c + 60,000 \)  
C \( m = 5,000c + 250 \)  
D \( m = 60,000c + 250 \)
There are 96 seventh-graders at Springfield Middle School. Twenty-four seventh-graders were chosen to participate in the school spelling bee. Express the fraction of students who were selected to participate in decimal form.

Answer: ________________