

Name:

Nonfiction: Review – Q4:4

Date:

As you answer this week's questions, highlight your evidence in the text.

The Cave of Altamira

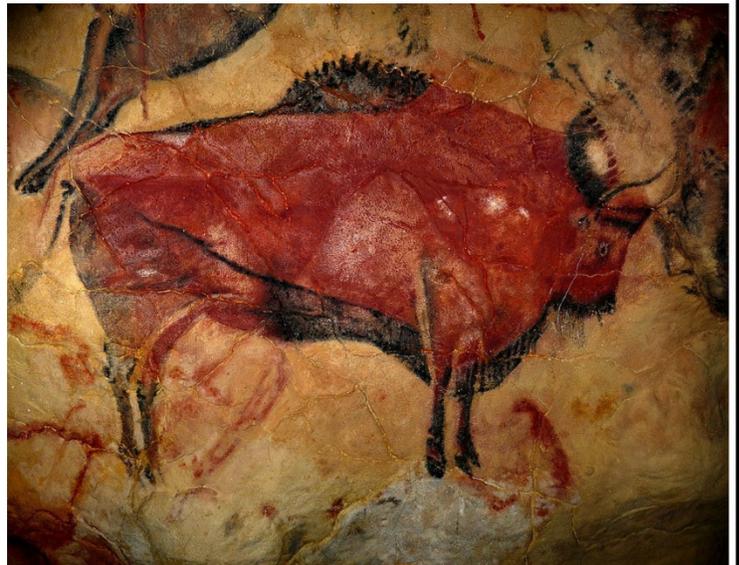
In 1879, Marcelino Sautuola brought his eight-year-old daughter Maria with him to explore a cave that had been discovered on his estate in northern Spain. For thousands of years, the cave had been hidden behind fallen rocks that had sealed the entrance. It wasn't until a tree fell and disturbed the rocks that the cave was revealed. Sautuola, an amateur archaeologist, uncovered fossilized animal bones and stone tools in the cave floor. These relics indicated that prehistoric man had once lived in the cave.

Meanwhile, Maria took a lantern and explored further into the cave. While her father dug into the earth, Maria's attention turned to the ceiling. The light of her lantern revealed vividly colored cave paintings of wild animals that had long been extinct. A herd of prehistoric buffalo roamed above her head. Their vibrant red and black color had not faded over time. Prehistoric deer, horses and boar were **interspersed** among the buffalo. Human hands and symbols were also scattered throughout the paintings. The cave art stretched across the walls, as well.

No prehistoric cave art of this quality had ever been found before! Sautuola published their discovery. Expert archaeologists dismissed the cave art as fake. They could not accept that early man was capable of such artistic talent. They accused Sautuola of hiring modern artists to forge the paintings. It wasn't until 1902, after additional cave art of exceptional quality had been discovered in Spain and France, that the archeology community finally accepted the Altamira cave paintings as **genuine**. Sadly, Marcelino de Sautuola had died fourteen years earlier. Maria, however, lived to see her father finally given the credit he deserved.

Just how old are the cave paintings of Altamira? Scientific technologies provide some estimates. The charcoal used to make the black outlines of the cave art contains carbon. A process called "carbon dating" indicated that charcoal dated back 13,000 – 14,000 years ago. Scientists also used "thorium-uranium dating" to analyze the mineral layers that had formed over the cave painting. This analysis showed some of the cave paintings may date back more than 34,000 years ago. By contrast, the pyramids of ancient Egypt date back 5,000 years. This makes the Altamira cave art almost seven times older than the paintings and hieroglyphics of the pyramids.

The cave of Altamira became a popular tourist attraction. One of those tourists was a famous artist, Pablo Picasso. Even he was impressed by the artistic talents of prehistoric man. However, human visitors exposed the paintings to carbon dioxide from exhalation. Body heat raised the temperature of the cave. Humidity inside the cave increased. These factors, along with the use of artificial lighting, created an environment where mold thrives. Mold grew on the paintings, causing them to degrade. To preserve the paintings, the cave of Altamira was closed to the public. An exact replica of the Altamira cave art was created near the site of the original cave. Every year, more than 250,000 tourists visit Altamira to view these reproductions and admire the work of some of the world's first artists.



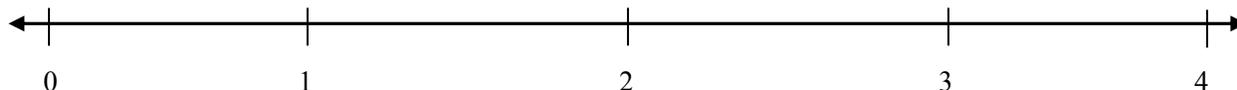
Monday	Tuesday
<p>Based on the title, what will this text most likely be about?</p> <hr/>	<p>According to the text, who found the cave paintings?</p> <hr/>
<p>Why did the author write this text?</p> <hr/>	<p>What caused archeologists to dismiss the cave paintings as fake?</p> <hr/>
<p>What evidence did Marcelino find that proved prehistoric man had once lived in the cave?</p> <hr/>	<p>What caused archeologists to finally accept the cave paintings as real?</p> <hr/>
<p>Determine the meaning of the word interspersed in the text.</p> <hr/>	<p>Determine the meaning of the word genuine in the text.</p> <hr/>
Wednesday	Thursday
<p>What is the main idea of the fourth paragraph? Highlight two details that support the main idea.</p> <hr/>	<p>Write a short summary about this text.</p> <hr/>
<p>How are the cave paintings different from the paintings of the Egyptian Pyramids?</p> <hr/>	<hr/>
<p>What problem eventually occurred when the cave became a tourist attraction?</p> <hr/>	<hr/>
<p>Based on the fifth paragraph, how was this problem solved?</p> <hr/>	<hr/>

Name:

Weekly Math Review - Q1:5

Date:

Monday	Tuesday	Wednesday	Thursday
Solve the problem. $27 \times 506 =$	Find the quotient. $18 \overline{) 756}$	Find the product. $70 \times 114 =$	Find the quotient. $15 \overline{) 2,145}$
Find the sum. $2.5 + 3.03 =$	Find the difference. $58.84 - 2.78 =$	Find the sum. $714.2 + 9.65 =$	Find the difference. $50.04 - 1.103 =$
Sandra and her friend went to the candy store. Each of them purchased a bag of jelly beans. Sandra's bag weighed 1.25 pounds. Her friend's bag weighed 1.05 pounds. Who bought more candy?	Jessie enjoys running every day for exercise. On Monday, he ran 3.30 miles. On Tuesday, he ran 3.09 miles and on Wednesday he ran 2.98 miles. On what day did Jessie run the farthest?	Jonathan is looking for a part-time job in order to make some extra money after school. The shoe store wants to pay him \$7.85 per hour; the clothing store wants to pay him \$7.58 per hour; and the pet store wants to pay him \$7.65 per hour. Where will Jonathan make the most per hour?	Jose and Donald are having a bubble gum stretching contest to see who can stretch their bubble gum the farthest. Jose stretches his gum 10.5 inches, and Donald stretches his gum 10.50 inches. Who stretched their gum the farthest?
<, >, or = $34.653 \underline{\hspace{1cm}} 3.4653$ $1.25 \underline{\hspace{1cm}} 12.5$ $589.1 \underline{\hspace{1cm}} 58.91$ $17.88 \underline{\hspace{1cm}} 33.80$ $63.90 \underline{\hspace{1cm}} 63.990$	<, >, or = $9.21 \underline{\hspace{1cm}} 9.2$ $456.1 \underline{\hspace{1cm}} 465.1$ $3.13 \underline{\hspace{1cm}} 3.12$ $99.04 \underline{\hspace{1cm}} 99.040$ $55.33 \underline{\hspace{1cm}} 55.033$	<, >, or = $3.01 \underline{\hspace{1cm}} 3.10$ $11.250 \underline{\hspace{1cm}} 11.25$ $9.401 \underline{\hspace{1cm}} 9.410$ $31.01 \underline{\hspace{1cm}} 31.019$ $49.20 \underline{\hspace{1cm}} 49.22$	<, >, or = $6.5 \underline{\hspace{1cm}} 6.50$ $30.50 \underline{\hspace{1cm}} 3.50$ $723.022 \underline{\hspace{1cm}} 723.202$ $10.01 \underline{\hspace{1cm}} 10.001$ $42.1 \underline{\hspace{1cm}} 24.1$
What is the value of the underlined digit? $5,678.\underline{3}21$	What is the value of the underlined digit? $\underline{5},678.321$	What is the value of the underlined digit? $5,\underline{6}78.321$	What is the value of the underlined digit? $5,678.\underline{3}21$
Order the numbers from greatest to least. $56.2, 56.32, 56.321$	Solve. $0.45 \times 10 =$ $0.45 \times 10^2 =$ $0.45 \times 10^3 =$ $0.45 \times 10^4 =$	Order the numbers from greatest to least. $2.2, 3.200, 3.020$	Solve. $89.4 \div 10 =$ $89.4 \div 10^2 =$ $89.4 \div 10^3 =$ $89.4 \div 10^4 =$
Write the following decimals in order from least to greatest. $0.7, 1.4, 3.9, 2.2, 1.8$	Using the numbers from yesterday, place each number on the number line below.	Round each number to the nearest whole number. 0.7 1.4 3.9 2.2 1.8	Answer the following using the number line. <, >, or = $0.7 \underline{\hspace{1cm}} 1.4$ $2.2 \underline{\hspace{1cm}} 1.8$ $3.9 \underline{\hspace{1cm}} 2.2$



My Work

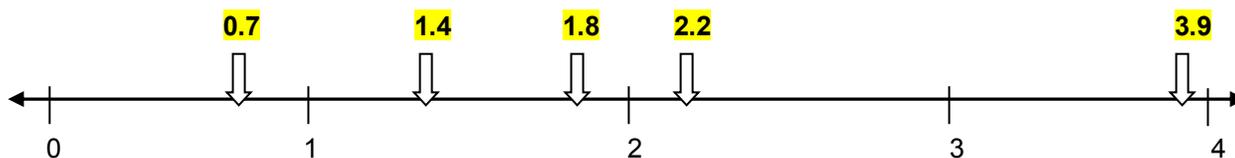
Monday	Tuesday
Wednesday	Thursday

My Progress

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
# of questions _____			
# correct _____	# correct _____	# correct _____	# correct _____
I need more help with... _____			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Answer Key - Weekly Math Review - Q1:5

Monday	Tuesday	Wednesday	Thursday
Solve the problem. $27 \times 506 = \mathbf{13,662}$	Find the quotient. $18 \overline{) 756} \mathbf{42}$	Find the product. $70 \times 114 = \mathbf{7,980}$	Find the quotient. $15 \overline{) 2,145} \mathbf{143}$
Find the sum. $2.5 + 3.03 = \mathbf{5.53}$	Find the difference. $58.84 - 2.78 = \mathbf{56.06}$	Find the sum. $714.2 + 9.65 = \mathbf{723.85}$	Find the difference. $50.04 - 1.103 = \mathbf{48.937}$
Sandra and her friend went to the candy store. Each of them purchased a bag of jelly beans. Sandra's bag weighed 1.25 pounds. Her friend's bag weighed 1.05 pounds. Who bought more candy? Sandra bought more candy.	Jessie enjoys running every day for exercise. On Monday, he ran 3.30 miles. On Tuesday, he ran 3.09 miles and on Wednesday he ran 2.98 miles. On what day did Jessie run the farthest? Jessie ran the farthest on Monday.	Jonathan is looking for a part-time job in order to make some extra money after school. The shoe store wants to pay him \$7.85 per hour; the clothing store wants to pay him \$7.58 per hour; and the pet store wants to pay him \$7.65 per hour. Where will Jonathan make the most per hour? Jonathan will make the most amount of money at the shoe store.	Jose and Donald are having a bubble gum stretching contest to see who can stretch their bubble gum the farthest. Jose stretches his gum 10.5 inches, and Donald stretches his gum 10.50 inches. Who stretched their gum the farthest? They both stretched it the same distance.
<, >, or = $34.653 > 3.4653$ $1.25 < 12.5$ $589.1 > 58.91$ $17.88 < 33.80$ $63.90 < 63.990$	<, >, or = $9.21 > 9.2$ $456.1 < 465.1$ $3.13 > 3.12$ $99.04 = 99.040$ $55.33 > 55.033$	<, >, or = $3.01 < 3.10$ $11.250 = 11.25$ $9.401 < 9.410$ $31.01 < 31.019$ $49.20 < 49.22$	<, >, or = $6.5 = 6.50$ $30.50 > 3.50$ $723.022 < 723.202$ $10.01 > 10.001$ $42.1 > 24.1$
What is the value of the underlined digit? $5, \underline{6}78.321$.001	What is the value of the underlined digit? $\underline{5},678.321$ 5,000	What is the value of the underlined digit? $5, \underline{6}78.321$ 600	What is the value of the underlined digit? $5,678. \underline{3}21$.02
Order the numbers from greatest to least. 56.321, 56.32, 56.2	Solve. $0.45 \times 10 = \mathbf{4.5}$ $0.45 \times 10^2 = \mathbf{45}$ $0.45 \times 10^3 = \mathbf{450}$ $0.45 \times 10^4 = \mathbf{4,500}$	Order the numbers from greatest to least. 3.200, 3.020, 2.2	Solve. $89.4 \div 10 = \mathbf{8.94}$ $89.4 \div 10^2 = \mathbf{.894}$ $89.4 \div 10^3 = \mathbf{.0894}$ $89.4 \div 10^4 = \mathbf{.00894}$
Write the following decimals in order from least to greatest. 0.7, 1.4, 1.8, 2.2, 3.9	Using the numbers from yesterday, place each number on the number line below.	Round each number to the nearest whole number. 0.7 1 1.4 1 3.9 4 2.2 2 1.8 2	Answer the following using the number line. <, >, or = $0.7 < 1.4$ $2.2 > 1.8$ $3.9 > 2.2$



Name _____

Date _____

Our Choices Have Consequences

When we make a decision to buy something, our choices have consequences. For example, you may choose to buy the cheaper brand of shoes, but they will not last long. You may also choose to buy the more expensive car, but it will cost you less in gas and repairs later.

Our government also has consequences for their choices. The governor might choose to upgrade a highway, which would cost money. But the results would make travel easier on citizens. This is also true in history. European countries chose to send explorers to America. This cost them a lot of money up front, but there were benefits to them later.

Pretend you and your family are looking for a hotel to stay in during a sports tournament. Which would you choose? Why?

Hotel 1:

- In a nice part of town
- Near the highway
- Breakfast included,
- Two queen beds
- Sleeper sofa
- Indoor and outdoor pool
- \$199 per night

What are the consequences of hotel 1?

Hotel 2:

- In a bad part of town
- Far from the highway
- Breakfast costs extra
- One queen bed
- Sleeper sofa
- Outdoor pool
- \$89 per night

What are the consequences of hotel 2?

Which hotel will you choose? -----

Trading off

These families are looking for a house. Read about their tradeoffs. Find a house for them.



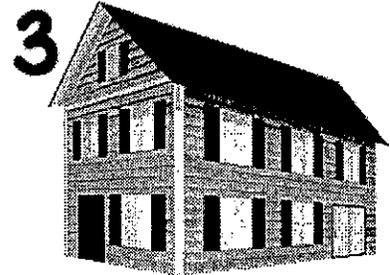
1 This 2-story home has lots of charm! 1300 square feet with 3 bedrooms. Not a huge yard, but there is a park nearby. Near the city. No garage, but a large driveway.

\$325,000



2 This one-story home will sell quickly! 1500 square feet and 3 bedrooms. A nice open yard with a swing set. Perfect for home-owners who need an easy floor plan.

\$475,000



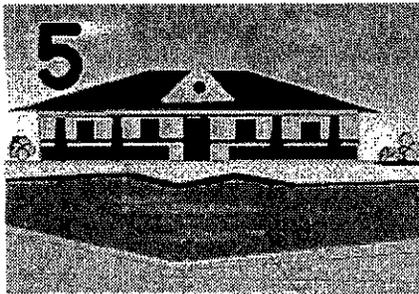
3 Lots of room in the suburbs! 4 large bedrooms and 3,000 square feet. Huge yard. Only a five-minute walk to the beach! Don't wait!

\$800,000



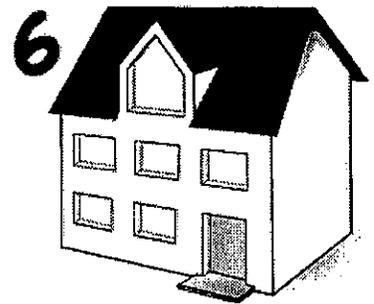
4 What a deal! This 2-story, 4-bedroom home is near the city with a large yard! 2-car garage and a new updated kitchen. This will not last long!

\$450,000



5 This one-story home is perfect for retirees! 4 bedrooms and 2,000 square feet. Relax in your lovely fenced yard with in-ground pool. Stunning!

\$700,000



6 This home is bigger than it looks! 4 large bedrooms and a finished playroom. Large back yard with a playset. Perfect family home!

\$550,000

Trading off

These families are looking for a house. Read about their tradeoffs. Find a house for them.

My son and I are looking for a home (about 1200 square feet) with at least 2 bedrooms. I want some space for him to play. I would also like to have a garage. It must be near my job in the city and cannot cost more than \$350,000.



My family and I are looking for a four-bedroom home in the suburbs. It must have a lot of space (at least 2500 square feet) but it must also stay under our budget of \$600,000. We would like to be near the beach if possible.



*She should buy house # _____
Why is it good for her?
Trade off?*

*They should buy house # _____
Why is it good for them?
Tradeoff?*

My wife and I adopted our two grandchildren. We need a small home with 3 bedrooms and some outdoor room for them to play. We need to stay under our budget of \$500,000. We are retired and need a house that is easy to take care of. We want a one-story home. We would like to have a fenced yard.



*They should buy house # _____
Why is it good for them?
Trade off?*

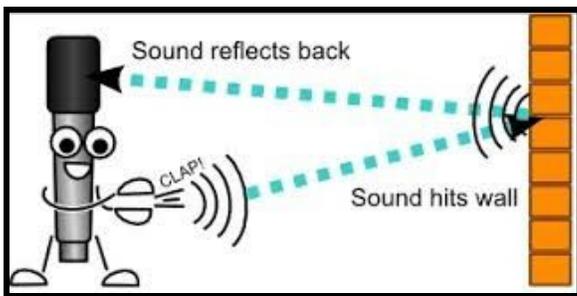
Hello 5th grade students!! Let me take a minute to thank you for working so hard and continuing to learn at home. This is not easy for you and you should be so proud of your dedication!! This will be our final lesson for the year. That makes me sad, but I'm still excited for summer break!

SOUND- Echoes & Absorption

We are still learning about sound, but this week we are going to learn about what happens when the sound waves hit a surface, like the wall, the couch, your curtains or the back of a cave. The sound wave can either bounce off the surface and be reflected back to you or be absorbed by the surface, or both!

So, I found this information online:

*“An **echo** is a **sound** that is repeated because the **sound waves** are reflected back. **Sound waves** can bounce off smooth, hard objects in the same way as a rubber ball bounces off the ground. Although the direction of the **sound** changes, the **echo sounds** the same as the original **sound**.”*



Have you ever heard an echo? Maybe you yelled across a valley, or even yelled towards a big building and heard your voice come back to you? The sound wave moved through the air and across the valley, hit the surface and bounced back to you. Sometimes, during hunting season, you can hear an echo of

the gunshot coming back to you. The classic example is yelling into a cave, but, really, when was the last time you found a cave to yell into? Echoes happen anytime sound hits a hard surface and bounces off. Think about our lower, new gym at school. The gym is full of hard surfaces, like the wood floor and block walls. When lots of kids are in there for gym class or an assembly, it gets loud and hard to understand each other, because so many sound waves are bouncing around in there!



So, they use another property of sound to fix the problem of echoes and sound reflection, and that is sound absorption. Sound waves will reflect off of a hard surface but will be absorbed by soft surfaces! Maybe you've noticed, or maybe not, that large places that are really noisy, or places that need good sound quality, will put soft materials on the wall to reduce the sound waves bouncing around the room.

