

5TH GRADE

Standards Practice Pack A

READING, WRITING, & MATH

Complete one assignment for reading, writing, and math each day.



Reading: Read the selection and answer the questions. When you are finished, be sure to read a great book!

Writing: Read the prompt and respond in writing. This is a great opportunity to practice your best writing skills and good handwriting.

Math: Complete the standards practice page. Draw pictures or use objects to help you.

A B C D E

F G H I J

K L M N O

P Q R S T

U V W X Y

Z

a b c d e

f g h i j

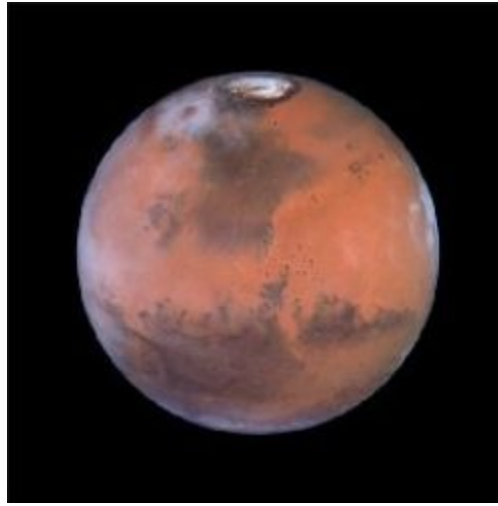
k l m n

o p q r s

t u v w x

y z

3, 2, 1... Blast Off!



NASA

Now you can take a trip to Mars without ever leaving Earth.

A kid reporter journeyed to Mars aboard Disney's new space ride. Find out how close her ride was to the real thing.

Weekly Reader kid reporter Sonia Mia Diaz blasted into space. This 10-year-old from Florida was on a journey to Mars.

Sonia Mia rocketed to Mars aboard a new ride called Mission: SPACE. She experienced the ride during its opening week at Walt Disney World's Epcot Center in Orlando, Florida.

After her mission, Sonia Mia interviewed Sue Bryan, one of the ride's creators. Sonia Mia learned that Disney worked closely with the National Aeronautics and Space Administration (NASA) to develop the new space attraction. The ride lets people experience what a trip to Mars might be like in the future.

A Space Adventure

On her journey, Sonia Mia never actually left the ground. The ride gives people the feeling of blasting off and traveling through space. "We really wanted people to feel as close as they could to what it's like to be an astronaut," said Bryan.

Sonia Mia read quotes about space exploration as she waited in line. Information about space history fills the attraction. There is even a moon car called a lunar rover on loan from a

museum.

An Intense Liftoff

Before boarding the shuttle, Sonia Mia and three other riders were given different roles for the mission. Those roles included commander, pilot, navigator, and engineer.

Sonia Mia was assigned to be the engineer. In real life, Sally Ride, the first U.S. woman in space, performed the same role.

After Sonia Mia strapped herself in, the shuttle moved into launch position. The countdown began, and the shuttle blasted off! During the mission, Sonia Mia and her team used buttons and joysticks to perform the tasks associated with their roles. The ride lasted about 4 minutes.

The mission was as intense as Sonia Mia had hoped. What was her favorite part? The liftoff! "I liked the intensity of the blastoff and the air pressure on my face," she said.

A Realistic Ride?

So how did the ride live up to a real space shuttle mission? Weekly Reader caught up with NASA astronaut Winston Scott to ask him that question.

Scott launched into space on two shuttle flights. He tested out Mission: SPACE and gave it a big thumbs up. "It's a thrill a minute," he said.

Although no astronauts have been to Mars yet, Scott said the ride's liftoff was realistic. The feeling of moving up the launch pad and being forced back into your seat were similar to those felt on a shuttle.

However, he points out, there are differences. In an actual launch, astronauts feel about three times the force of **gravity**. Gravity is the force that pulls things toward Earth.

The blastoff on the ride was also shorter than an actual liftoff. And, he said, riders don't experience weightlessness. On a real space shuttle, astronauts become weightless because there is no gravity.

For many people, the ride brings to mind the courage of space explorers. As Sonia Mia pointed out, "Going on the ride made me think about how brave astronauts are."

Interview With an Imagineer

Sonia Mia Diaz interviewed Sue Bryan, one of the forces behind Mission: SPACE. Here's what Sonia Mia learned.

Sonia Mia: What is an Imagineer?

Sue Bryan: Imagineers are people who work for Disney.

In general, Imagineering is about storytelling. We build attractions that put people who visit our parks into different worlds and stories. We also use technology to tell stories.

Sonia Mia: What was your role in creating the ride?

Bryan: I'm the senior show producer, which is like being a movie director. A movie director guides people and directs the show, including the lighting, music, artists, and motion you experience on the ride.

Sonia Mia: Where did your team get the inspiration for Mission: SPACE?

Bryan: People have always had an interest in space. The time and technology were right to create this new space attraction. We worked closely with NASA to develop the science and technology behind the attraction. No one has ever put people into a ride system like this before.

Sonia Mia: Before the ride, I was warned not to move my head or close my eyes because of motion sickness. I didn't feel sick, but might a person if he or she does those things?

Bryan: That could happen if you move your head, because of the technology used to create the ride. We give those recommendations because we want people to feel most comfortable. Some people can move their heads, and it doesn't bother them at all.

Sonia Mia: How many times have you been on Mission: SPACE?

Bryan: At last count, I've ridden it more than 400 times!

Name: _____ Date: _____

1. Disney and NASA developed the ride Mission: SPACE. What does the ride let people experience?

- A. what the first trip to the moon was like
- B. what a trip to the moon might be like in the future
- C. what a trip to Mars might be like in the future
- D. what trips to Mars were like many years ago

2. Astronaut Winston Scott compares and contrasts the ride Mission: SPACE with a real space shuttle mission. According to Scott, how is Mission: SPACE similar to a real space shuttle mission?

- A. The feeling of moving up the launch pad is similar on the ride and on a space shuttle.
- B. The blast off lasts the same amount of time on the ride and on a space shuttle.
- C. Three times the force of gravity is felt in a launch both on the ride and on a space shuttle.
- D. The feeling of weightlessness in space is similar on the ride and on a space shuttle.

3. Mission: SPACE was designed to give people a realistic experience of traveling through space like an astronaut. Which information from the passage best supports this conclusion?

- A. People never actually leave the ground during the ride Mission: SPACE.
- B. Sue Bryan claims no one has ever put people into a ride system like Mission: SPACE before.
- C. Mission: SPACE gives people the feeling of blasting off and traveling through space.
- D. Mission: SPACE does not allow people to feel as though they are weightless.

4. Based on the information in the passage, what sort of tasks did Sonia Mia most likely perform during the ride Mission: SPACE?

- A. She most likely performed tasks associated with a commander.
- B. She most likely performed tasks associated with an engineer.
- C. She most likely performed tasks associated with a pilot.
- D. She most likely performed tasks associated with a navigator.

5. What is this passage mainly about?

- A. a museum
- B. a roller coaster
- C. a computer
- D. a space ride

6. Read the following sentence: "During the mission, Sonia Mia and her team used buttons and joysticks to perform the tasks **associated** with their roles."

As used in the passage, what does the word "**associated**" most nearly mean?

- A. removed
- B. invented
- C. developed
- D. connected

7. Choose the answer that best completes the sentence below.

_____ there are some similarities between the ride Mission: SPACE and a real space shuttle mission, there are also some differences.

- A. Because
- B. Although
- C. However
- D. Finally

8. What differences between ride Mission: SPACE and a real space shuttle mission does NASA astronaut Winston Scott point out?

9. The ride Mission: SPACE can help people understand what it is like to be an astronaut. Use information from the passage to support this conclusion.

10. Sue Bryan, the senior show producer of the ride Mission: SPACE, says that she and other Disney workers "build attractions that put people who visit our parks into different worlds and stories."

Explain how the ride Mission: SPACE puts people into "different worlds and stories." Use information from the passage to support your answer.

Asthma and Allergies and their Environmental Triggers

This text is from the National Institute of Environment Health Sciences site.



Asthma and allergy attacks have increased in the United States despite the fact that our outdoor air quality has improved. Some researchers think these problems have increased because kids are spending too much time indoors.

When outdoors, we are exposed to pollens and dust, and other irritants. But when indoors, we are also exposed to "allergens." Allergens are proteins that originate from cockroaches, mold, pets, and dust mites (tiny bug-like creatures that live in dust). Allergens cause allergies.....and most people know that allergies can make you snuffle, sneeze, have runny and itchy eyes, and other cold-like symptoms. But allergens can also trigger asthma attacks, which are more serious. Asthma symptoms include wheezing (a high-pitched whistling sound heard when exhaling); coughing spells unrelated to a cold; shortness of breath, especially during exercise;

and tightness in the chest. Allergic asthma affects about 3 million children (8 to 12 percent of all children) and 7 million adults in the United States each year!

What Can You Do?

Reduce the allergens from YOUR environment! Most children with asthma are allergic to something, and so staying away from the "allergen" should help control the asthma. If you have asthma or allergies, stay away from animals, remove the teddy bears, rugs, curtains and lamp shades in rooms that you stay in a lot, like the bedroom. Plastic mattress and pillow covers, exterminators for pesky bugs, and the elimination of dust-traps like curtains and rugs in your bedroom may help you breathe easier. Or if it's trees and pollen that get to you, air conditioning and air filters should help.

And Research Helps Too!

Children whose parents or brothers and sisters have asthma are more likely to develop it themselves. But even though our "genes" do play some part in whether or not we'll have asthma, researchers hope to make the most progress in fighting the disease by looking at the environmental aspect of asthma. The hope is that if kids encounter fewer allergens early in life, they'll be less likely to develop allergic responses. Asthma research is performed at the NIEHS and at the National Institute of Allergy and Infectious Diseases.

NIEHS and the National Institute of Allergy and Infectious Disease are also working together on an effort to help asthma sufferers. The project is called TEAM, which stands for Targeting the Environment and Asthma Management.

Name: _____ Date: _____

1. According to the text, what has increased in the United States?

- A. pollen, dust, and other irritants
- B. proteins that originate from cockroaches, mold, pets, and dust mites
- C. asthma and allergy attacks
- D. the amount of time kids spend outdoors

2. What does the text describe?

- A. ways people can help control their asthma
- B. the proteins that originate in cockroaches and dust mites
- C. how plants create pollen
- D. reasons why kids are spending more time indoors

3. Read the following sentences from the text.

"But when indoors, we are also exposed to 'allergens.' Allergens are proteins that originate from cockroaches, mold, pets, and dust mites (tiny bug-like creatures that live in dust). Allergens cause allergies.....and most people know that allergies can make you sniffle, sneeze, have runny and itchy eyes, and other cold-like symptoms."

What conclusion does this information support?

- A. Our homes can affect our health.
- B. Irritants from outdoors are more dangerous than allergens in our homes.
- C. The amount of allergens in the average home has decreased.
- D. Spending more time indoors than outdoors is healthier for kids.

4. Why might have asthma and allergy attacks increased in the United States?

- A. People are spending too much time indoors where they become exposed to allergens that trigger asthma and allergy attacks.
- B. The amount of allergens that trigger asthma and allergy attacks has increased in homes over the years.
- C. People are spending too much time outdoors where they become exposed to allergens that trigger asthma and allergy attacks.
- D. Asthma and allergy attacks are contagious so people spread them to each other as they spend more time together.

5. What is the main idea of this text?

- A. Children whose parents or brothers and sisters have asthma are more likely to develop it themselves.
- B. Allergens cause allergies that can make you sniffle, sneeze, have runny and itchy eyes, and other cold-like symptoms.
- C. Allergy and asthma attacks are triggered by allergens in homes. People can reduce these allergens to control the attacks.
- D. Plastic mattress and pillow covers, exterminators for pesky bugs, and the elimination of dust-traps in your bedroom may help you breathe easier in your home.

Battle of the Bots

by ReadWorks

Alex set down the screwdriver with a slam. "There! We've finished it!" he said. Alex looked around at his three teammates. The four of them had been working together to build a robot for the last three months. Now the robot was complete, and they had given it a name: Athena. Battle of the Bots was the state's biggest robot competition, and it was starting in two days. The team had finished just in time.

"Are you sure?" Alyssa asked. "Don't you think we could still improve some things?"

"No!" cried everyone else in unison. Alyssa always wanted to keep adding things to the robot. She had come up with some great ideas; the razor defense mechanism had been her suggestion. She had also figured out a way to attach the robot's wheels so that it could roll over its opponent. But now there was no time left. They needed to stop building and prepare their strategy.

Each year the state put on Battle of the Bots. It was a showdown to see which school could build the competition's winning robot. For a full day, the robots faced off in an arena. By the end of the day, the arena would be filled with mechanical arms and levers from the defeated robots. The team that built the winning robot would receive \$5,000.

Alex looked at his group. If they split the prize evenly, that would be \$1,250 each. What would everyone else do with \$1,250? He knew that he would save his for camp that summer. Alyssa would probably use hers to buy more tools-she was always building something. Alex shook himself. This was not the time to be daydreaming about the prize. They still needed to design a strategy so that they could win the competition.

"Alright, guys," said Alex. "How are we going to beat the Cougars?" The Cougars had won the competition for the last two years. Last year their robot, "The Destroyer," had won Battle of the Bots in record time. Large, scissor-like jaws had chomped down the competition.

"I have an idea," said Kumar. "I've been watching videos from last year's competition. I noticed something. The Cougars use the same strategy every year."

Kumar's brother Arif nodded and chimed in. "The Cougars always build a robot that is big and strong. It wins through force. But usually their robot isn't very fast," Arif explained.

"Our robot is fast," Alyssa said, thoughtfully.

"Exactly!" Kumar said. "We need to use our speed to beat them. And I have a plan for how to do it." Kumar explained his plan to the group and they began to prepare.

Two days later, the team gathered at Battle of the Bots. Alyssa was chewing on her nails. Alex was so nervous he felt sick. Arif was pacing back and forth. Only Kumar looked calm. "Don't worry guys," he said. "The plan will work. Athena will win."

The competition began, and Athena was winning all of her battles. The team had designed her for speed, and she was able to outpace her opponents. Several of Alyssa's secret weapon designs proved deadly for the competition. The bad news was that the Cougars' robot was doing equally well. Once again the Cougars had built an enormous, powerful robot. This year they called the robot "The Avenger." By the end of the day, The Avenger and Athena were the only two robots remaining.

"Finalists, could you please come to the main arena and prepare your robots?" said the announcer. "We will begin the Final Death Match in five minutes." Alex and the team walked down to the main arena. Alex could feel his heart pounding in his chest. Athena was half the size of The Avenger-could their robot really win?

The match began, and the two robots moved towards each other. The Avenger lunged for Athena, but the small robot was too quick for him. Athena circled behind The Avenger and, before the larger robot had time to turn, Athena hit The Avenger from behind. There was the harsh sound of metal cutting metal and then silence. The Avenger lay on the ground. Athena had cut the wires connecting the body of the robot to its wheels. Not only had they won, but they had won in record time.

Alex, Alyssa, Kumar and Arif all hugged. "Now it's time for the real question," said Alex. "How will we spend that \$5,000?"

Name: _____ Date: _____

1. What is the Battle of the Bots?

- A. the place where Alex and his teammates complete Athena
- B. a summer camp
- C. a school that has built a robot called "The Avenger"
- D. a robot competition

2. What is the climax of this story?

- A. Kumar explains his plan to win the Battle of the Bots by using Athena's speed.
- B. Alyssa asks whether some things about Athena could be improved.
- C. Athena battles against The Avenger in the Final Death Match.
- D. Alex and his teammates finish building Athena.

3. Read this paragraph from the story.

"The match began, and the two robots moved towards each other. The Avenger lunged for Athena, but the small robot was too quick for him. Athena circled behind The Avenger and, before the larger robot had time to turn, Athena hit The Avenger from behind. There was the harsh sound of metal cutting metal and then silence. The Avenger lay on the ground. Athena had cut the wires connecting the body of the robot to its wheels. Not only had they won, but they had won in record time."

What can be concluded from these sentences?

- A. Athena's speed helps her beat The Avenger.
- B. Athena's strength helps her beat The Avenger.
- C. The Avenger's speed helps him beat Athena.
- D. The Avenger's strength helps him beat Athena.

4. How do the members of Alex's team interact with each other?

- A. They keep secrets and lie to each other.
- B. They disagree with each other and get into fights.
- C. They ignore each other and work separately.
- D. They listen to each other and work together.

5. What is a theme of this story?

- A. Speed and strength are equally important.
- B. Strength can be more important than speed.
- C. Winning is more important than teamwork.
- D. Speed can be more important than strength.

6. Read this paragraph from the story

"Finalists, could you please come to the main arena and prepare your robots?" said the announcer. "We will begin the Final Death Match in five minutes." Alex and the team walked down to the main arena. Alex could feel his heart pounding in his chest. Athena was half the size of The Avenger- could their robot really win?

What feeling might the author be trying to create in the reader with the last three sentences of this paragraph?

- A. anger
- B. confidence
- C. suspense
- D. fear

7. Choose the answer that best completes the sentence.

The Avenger is bigger than Athena; _____, he is not as fast.

- A. however
- B. later on
- C. including
- D. for example

8. Kumar has been watching videos from last year's competition. What does he notice?

9. Describe the Cougars' strategy.

10. Does knowing the Cougars' strategy help Alex's team defeat them in the Battle of the Bots? Explain why or why not, supporting your answer with evidence from the text.

A Big Birthday Celebration

by ReadWorks



Maeve Wilson was in fourth grade the first time she went to the Lotus Lantern Festival in Seoul, the capital of South Korea. The festival celebrates the birthday of Buddha, the founder of the Buddhist religion. Twelve years later, in 2013, Maeve was studying in university, but she could clearly remember how beautiful the celebration was the first time she went.

"All the people in the city parade through the traditional area of Seoul, called Insadong, where there are many temples," she remembered. People walk from temple to temple to see the different decorations and lanterns. The lit lanterns are a sign of respect to Buddha. Almost half the population of South Korea is Buddhist, so the festival is very popular in the country. The parade floats are built to look like lotus flowers or traditional Buddhist figures. "Some of the floats are even completely made of lotus flowers," said Maeve.

The festival is celebrated around May 16th every year and invites visitors from all over the world. The first time Maeve attended the celebration, she went with her father. They held hands as they pushed through the large crowd to a main stage, where monks played traditional Buddhist music. Maeve said that it was mostly just drumming on gongs, and everyone was dancing and singing. Onstage, people tossed lotus flowers and mints shaped like miniature elephant tusks into the big audience. While she and her father stood there,

listening to the traditional Korean music, a monk next to them tapped the arm of Maeve's father. "Would your daughter like to go on my shoulders to see more?" the monk asked him. Maeve nodded in excitement, and up she soared into the air to see the stage. She saw several monks in both gray and orange robes on the stage. They played their drums and sang Buddhist prayers.

As Maeve grew older, she tried to go to the Lantern Festival every year. "I always just wanted to see the lanterns," she said. "Some looked like flowers, with petals hanging off the lamps. Those were smaller. Others were big, and hand-painted." Even when she went to boarding school in Ireland and attended university in New York, she tried to travel to South Korea in May to see the lanterns in honor of Buddha's birthday.

Name: _____ Date: _____

1. What does the Lotus Lantern Festival celebrate?

- A. the founding of South Korea
- B. the founding of Seoul
- C. Buddha's birthday
- D. Maeve Wilson's birthday

2. What does this passage describe?

- A. the history of Buddhism
- B. Ireland and New York
- C. lotus flowers, elephants, boarding school
- D. lanterns, a festival, Buddhist music

3. Maeve Wilson has enjoyed the Lotus Lantern Festival since she first went in fourth grade.

What evidence from the story supports this statement?

- A. The festival is celebrated in May and welcomes visitors from all over the world.
- B. People onstage at the festival toss mints shaped like miniature elephant tusks into the audience.
- C. Maeve went to boarding school in Ireland and attended university in New York.
- D. Every year since her first visit to the festival, Maeve has tried to go back.

4. Based on the passage, what is the mood of people at the Lotus Lantern Festival?

- A. shy
- B. bored
- C. happy
- D. angry

5. What is the passage mostly about?

- A. why Buddhism is a popular religion in South Korea and how it is practiced there
- B. the temples in Insadong, parade floats, and the month of May
- C. the Lotus Lantern Festival in Seoul and Maeve Wilson's interest in the festival
- D. the lotus flowers and mints thrown into the audience at the Lotus Lantern Festival

6. Read the following sentences from the passage: "She saw several monks in both gray and orange robes on the stage. They played their drums and sang Buddhist prayers."

What does the word "monks" mean?

- A. men who are part of a special group within a religion
- B. men who enjoy winter activities, such as skiing and ice skating
- C. men who get married at a young age and have many children
- D. men who prefer reading and writing to being outdoors

7. Choose the answer that best completes the sentence below.

Maeve Wilson liked the Lotus Lantern Festival when she first went; _____, she tries to go back every year.

- A. last
- B. therefore
- C. in contrast
- D. instead

8. Who was Buddha?

9. Describe two things people do during the Lotus Lantern Festival.

10. Examine the image provided in the text. Explain what parts of the Lotus Lantern Festival this image illustrates. Use evidence from the text to support your answer.

Brazil Today: Futebol - Brazil's Sport

by ReadWorks



Soccer, or *futebol*, is the most popular sport in Brazil. It seems like everyone in Brazil plays soccer and most Brazilian communities have their own team. There are numerous soccer leagues in Brazil. The best players are national heroes.

Pelé

One of Brazil's *futebol* heroes may be the world's most recognized soccer player of all time. Pelé dazzled crowds with his quickness and moves. He was nicknamed "The Black Pearl." When he was 15, he tried out for a professional club. A former World Cup player had brought him to the tryout. The man said, "This boy will be the greatest soccer player in the world." He was right.

The next year Pelé joined Brazil's national team. He was only 16! He would play in four World Cups and score 12 goals for Brazil. He is the only soccer player to have been on the winning team in three World Cups! He won in 1958, 1962, and 1970. One London newspaper reviewed his game. The reporter was awestruck. He wrote, "How do you spell Pelé? G-O-D."

World Champions

Brazil's tradition of soccer is world-renowned. People recognize the name Pelé. Many people also know that Brazil has won the World Cup title many times. The World Cup is the most prestigious international soccer event. Soccer fans in Brazil are all very excited to cheer for the team in each World Cup.

Name: _____ Date: _____

1. How many World Cup titles did Pelé win?

- A. Two
- B. Three
- C. Twelve
- D. Four

2. Why does the author discuss Pelé?

- A. He was the first soccer player in Brazil.
- B. He invented the game of soccer.
- C. He is the head coach of Brazil's soccer team.
- D. He is very important in Brazil's soccer history.

3. Based on the passage, why is Pelé famous outside of Brazil?

- A. He won world soccer tournaments.
- B. He has played soccer in many countries.
- C. He went on to become an international politician.
- D. He taught soccer to people in other countries.

4. Read the following sentences: "Many people also know that Brazil has won the World Cup title many times. The World Cup is the most **prestigious** international soccer event."

The word **prestigious** means

- A. respected and admired
- B. made for children
- C. secret and hidden
- D. violent and dangerous

5. The main idea of this passage is that

- A. Brazilian children love to play soccer.
- B. Brazil has won the World Cup more than any other country.
- C. Pelé is the world's most recognized soccer player.
- D. Brazil has a rich history of soccer and loves the sport.

6. According to the passage, what did Pelé do that no other soccer player has done?

7. What evidence from the passage supports the idea that soccer is "Brazil's Sport?"

8. The question below is an incomplete sentence. Choose the answer that best completes the sentence.

_____ soccer is so popular in Brazil, many of the best players are treated as national heroes.

- A. Although
- B. Because
- C. However
- D. Nevertheless

Name:

Date:

Grade 5 Mathematics Homework • Place Value and Powers of Ten

Use the clues to determine what the mystery number might be.

- The mystery number has five digits
- The digit in the tenths place is double the digit in the tens place
- The mystery number rounds to 700
- The difference between the digit in the hundreds place and the ones place is 3

What are three possible mystery numbers?

Write the numbers below in expanded form using exponent form for the powers of 10.

491.92

2,105.13

46.785

Name:

Date:

Grade 5 Mathematics Homework • Place Value and Powers of Ten

Write the numbers below in expanded form.

484.92

5,821.43

Write two expressions using the powers of 10 to represent 100.34.

Solve.

$$30 \times 10^3$$

$$35.3 \times 10^5$$

Name:

Date:

Grade 5 Mathematics Homework • Read, Write, and Compare Decimals to the Thousandths Place

1. Write a decimal that is between:

3.5 and 3.6

7.06 and 7.07

2. Write a decimal between 8 and 9 that has a

3 in the hundredths place

8 in the thousandths place

3. Which is greater 1.06 or 1.061? Explain your thinking.

Name:

Date:

Grade 5 Mathematics Homework • Read, Write, and Compare Decimals to the Thousandths Place

1. Write each decimal.

Five and three hundred forty nine thousandths

Two and sixty three hundredths

2. Write a decimal between 12 and 15 that has a

3 in the tenths place and a 6 in the hundredths place

2 in the tenths place and a 5 in the thousandths place

3. Order the decimals below from least to greatest. Explain your thinking.

2.147

1.742

1.247

2.714

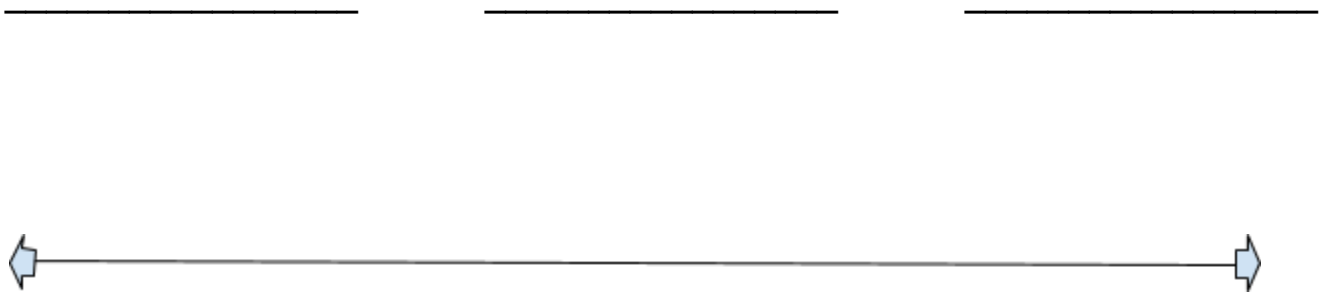
1.427

Name:

Date:

Grade 5 Mathematics Homework • Rounding Decimals

Write 3 numbers that round to 5.4. Place each number on the number line to prove it rounds to 5.4



Circle the numbers below that round to 9.8

9.72

9.76

9.83

9.78

9.759

9.87

9.84

9.81

9.809