5th

A

Number Correct: _____

Round to the Nearest One

1.	3.1 ≈	
2.	3.2 ≈	
3.	3.3 ≈	
4.	3.4 ≈	
5.	3.5 ≈	
6.	3.6 ≈	
7.	3.9 ≈	
8.	13.9 ≈	
9.	13.1 ≈	
10.	13.5 ≈	
11.	7.5 ≈	
12.	8.5 ≈	
13.	9.5 ≈	
14.	19.5 ≈	
15.	29.5 ≈	
16.	89.5 ≈	
17.	2.4 ≈	
18.	2.41 ≈	
19.	2.42 ≈	
20.	2.45 ≈	
21.	2.49 ≈	
22.	2.51 ≈	
23.	12.51 ≈	
24.	16.61 ≈	
25.	17.41 ≈	
26.	11.51 ≈	
27.	11.49 ≈	
28.	13.49 ≈	
29.	13.51 ≈	
30.	15.51 ≈	
31.	15.49 ≈	
32.	6.3 ≈	
33.	7.6 ≈	
34.	49.5 ≈	
35.	3.45 ≈	
36.	17.46 ≈	
37.	11.76 ≈	
38.	5.2 ≈	
39.	12.8 ≈	
40.	59.5 ≈	
41.	5.45 ≈	
42.	19.47 ≈	
43.	19.87 ≈	
44.	69.51 ≈	

B

Number Correct: _____

Improvement: _____

Round to the Nearest One

1.	4.1 ≈	
2.	4.2 ≈	
3.	4.3 ≈	
4.	4.4 ≈	
5.	4.5 ≈	
6.	4.6 ≈	
7.	4.9 ≈	
8.	14.9 ≈	
9.	14.1 ≈	
10.	14.5 ≈	
11.	7.5 ≈	
12.	8.5 ≈	
13.	9.5 ≈	
14.	19.5 ≈	
15.	29.5 ≈	
16.	79.5 ≈	
17.	3.4 ≈	
18.	3.41 ≈	
19.	3.42 ≈	
20.	3.45 ≈	
21.	3.49 ≈	
22.	3.51 ≈	
23.	13.51 ≈	
24.	17.61 ≈	
25.	18.41 ≈	
26.	12.51 ≈	
27.	12.49 ≈	
28.	14.49 ≈	
29.	14.51 ≈	
30.	16.51 ≈	
31.	16.49 ≈	
32.	7.3 ≈	
33.	8.6 ≈	
34.	39.5 ≈	
35.	4.45 ≈	
36.	18.46 ≈	
37.	12.76 ≈	
38.	6.2 ≈	
39.	13.8 ≈	
40.	49.5 ≈	
41.	6.45 ≈	
42.	19.48 ≈	
43.	19.78 ≈	
44.	59.51 ≈	

5.NBT Kipton's Scale

Task

a. Kipton has a digital scale. He puts a marshmallow on the scale and it reads 7.2 grams. How much would you expect 10 marshmallows to weigh? Why?

b. Kipton takes the marshmallows off the scale. He then puts on 10 jellybeans and then scale reads 12.0 grams. How much would you expect 1 jellybean to weigh? Why?

c. Kipton then takes off the jellybeans and puts on 10 brand-new pink erasers. The scale reads 312.4 grams. How much would you expect 1,000 pink erasers to weigh? Why?

5.NBT Marta's Multiplication Error

Alignments to Content Standards: 5.NBT.A.2

Task

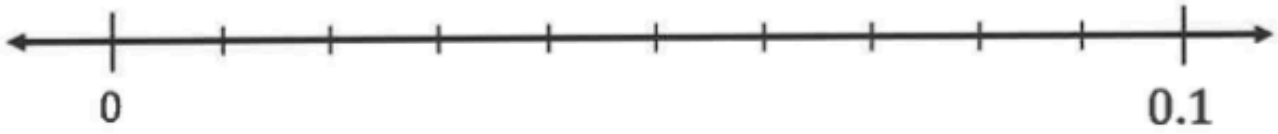
Marta made an error while finding the product 84.15×10.

In your own words, explain Marta's misunderstanding. Please explain what she should do to get the correct answer and include the correct answer in your response.

5.NBT Placing Thousandths on the Number Line.

Task

Label all of the tick marks on the number line.



Plot and label each of the following numbers on the number line.

0.100
0.010
0.072
0.038

Which of these numbers is greatest? Which is least? How can you tell by looking at the number line?

5.NBT Rounding to Tenths and Hundredths

Alignments to Content Standards: 5.NBT.A.4

Task

A number n is shown on the number line.

1. The tick marks are evenly spaced. Label them. 2. What is n rounded to the nearest hundredth? 3. What is n rounded to the nearest tenth?

Kipton's Scale Task Answer

Solution:

a. 10 marshmallows should weigh 72 grams. Students might use repeated addition, multiplication or reason that each digit's place value will be multiplied by a factor of 10:

Marta's Multiplication Error Answer

Solution

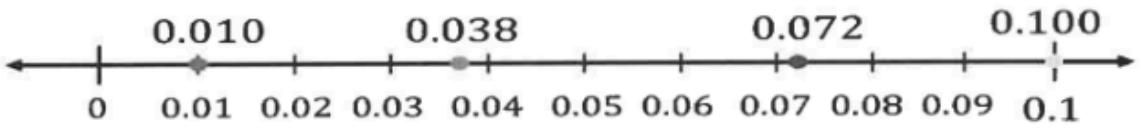
Marta is mistakenly trying to continue a pattern dealing with multiplying whole numbers by powers of 10: the product will have the same digits as the whole number followed by the same number of 0s as the power of 10. Marta tried to place a 0 after 84.15 in her problem to continue this pattern, but placing a 0 in the thousandths place did not change the value of 84.15. Instead, Marta can shift the decimal one place to the right so that each digit occupies ten times its original place. Her correct answer is 841.5. Another way of finding the product of 84.15 and 10 is to rewrite 84.15 in expanded notation and use the distributive property:

$$\begin{aligned}(80+4+0.1+0.05)\times 10 &= (80\times 10)+(4\times 10)+(0.1\times 10)+(0.05\times 10)\\ &= 800+40+1+0.5\\ &= 841.5\end{aligned}$$

Using expanded notation also highlights that the place value of each digit needs to be multiplied by a factor of 10. It should be noted that the digit 8 in the original expression represented 8 tens, but will be 8 hundreds in our product. In Marta's solution, the 8 still only represents 8 tens and the magnitude of the number has not changed.

Placing Thousandths on the Number Line Answer

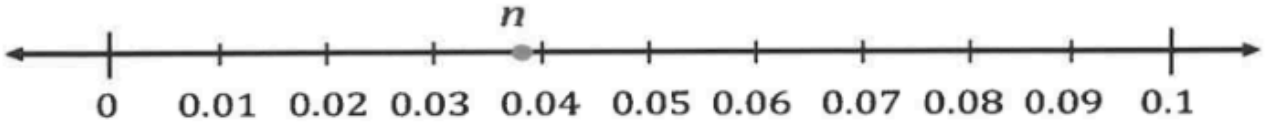
Solution



Rounding to Tenths and Hundredths Answer

Solution

First, label all of the tick marks:



We can see that n is closer to 0.04 than 0.03, so it rounds up to 0.04.

We can also see that n is closer to 0 than to 0.1, so n rounds down to 0.

1.	3.1 ≈	3
2.	3.2 ≈	3
3.	3.3 ≈	3
4.	3.4 ≈	3
5.	3.5 ≈	4
6.	3.6 ≈	4
7.	3.9 ≈	4
8.	13.9 ≈	14
9.	13.1 ≈	13
10.	13.5 ≈	14
11.	7.5 ≈	8
12.	8.5 ≈	9
13.	9.5 ≈	10
14.	19.5 ≈	20
15.	29.5 ≈	30
16.	89.5 ≈	90
17.	2.4 ≈	2
18.	2.41 ≈	2
19.	2.42 ≈	2
20.	2.45 ≈	2
21.	2.49 ≈	2
22.	2.51 ≈	3

23.	12.51 ≈	13
24.	16.61 ≈	17
25.	17.41 ≈	17
26.	11.51 ≈	12
27.	11.49 ≈	11
28.	13.49 ≈	13
29.	13.51 ≈	14
30.	15.51 ≈	16
31.	15.49 ≈	15
32.	6.3 ≈	6
33.	7.6 ≈	8
34.	49.5 ≈	50
35.	3.45 ≈	3
36.	17.46 ≈	17
37.	11.76 ≈	12
38.	5.2 ≈	5
39.	12.8 ≈	13
40.	59.5 ≈	60
41.	5.45 ≈	5
42.	19.47 ≈	19
43.	19.87 ≈	20
44.	69.51 ≈	70

1.	4.1 ≈	4
2.	4.2 ≈	4
3.	4.3 ≈	4
4.	4.4 ≈	4
5.	4.5 ≈	5
6.	4.6 ≈	5
7.	4.9 ≈	5
8.	14.9 ≈	15
9.	14.1 ≈	14
10.	14.5 ≈	15
11.	7.5 ≈	8
12.	8.5 ≈	9
13.	9.5 ≈	10
14.	19.5 ≈	20
15.	29.5 ≈	30
16.	79.5 ≈	80
17.	3.4 ≈	3
18.	3.41 ≈	3
19.	3.42 ≈	3
20.	3.45 ≈	3
21.	3.49 ≈	3
22.	3.51 ≈	4

23.	13.51 ≈	14
24.	17.61 ≈	18
25.	18.41 ≈	18
26.	12.51 ≈	13
27.	12.49 ≈	12
28.	14.49 ≈	14
29.	14.51 ≈	15
30.	16.51 ≈	17
31.	16.49 ≈	16
32.	7.3 ≈	7
33.	8.6 ≈	9
34.	39.5 ≈	40
35.	4.45 ≈	4
36.	18.46 ≈	18
37.	12.76 ≈	13
38.	6.2 ≈	6
39.	13.8 ≈	14
40.	49.5 ≈	50
41.	6.45 ≈	6
42.	19.48 ≈	19
43.	19.78 ≈	20
44.	59.51 ≈	60

newsela

Drones give more warning for tornadoes

By Los Angeles Times, adapted by Newsela staff on 06.16.13
Word Count **402**
Level **530L**

Amelia Wilson, Nathan Woody and Alyssa Avery prepare their aircraft for flight at Oklahoma State University. Researchers at OSU are designing and building Kevlar-reinforced drones to fly into the worst storms and send back real-time data to forecasters about how fierce they might become. AP Photo/ Oklahoma State University, Gary Lawson

Tornados come with little warning. People may only know a few minutes ahead of time that a storm is on its way. Often, that's not enough time to prepare.

But scientists have worked to get warnings earlier. They use balloons and radar. And they have people watching from the ground.

Now they want to warn people hours ahead of time. They want to send airplanes with no pilots into a storm. These planes are called drones.

But first, they need to get permission. Most drones are used by the military and spies. Only the government can decide if a drone can fly.

Building A Drone

Oklahoma wants to use drones for science. It makes sense. Nineteen tornadoes hit the state in just two weeks.

Oklahoma college students and their teachers are building the drone. It will be sturdy enough to survive high winds. Scientists at another Oklahoma university are building weather equipment. The equipment will go into the drone. It will detect tornadoes.

The planes weigh up to 55 pounds. They can cost as much as $100,000. A pilot flies them from the ground like a toy airplane. They measure the weather in many ways to know if a tornado may strike.

Jamey Jacob used to work with drones. He teaches at Oklahoma State. He used to explore Mars with drones. Now he wants to use them to look at tornadoes.

Jacob wants to figure out tornadoes. His students help design and build the planes.

A Safe Way To Watch Tornadoes

It's a safer way to track tornadoes. That's a big deal for people who study them. Three storm chasers and scientists just died in a tornado.

The governor of Oklahoma set up a group to study drones. It's two years old. It met May 31 just before a storm hit.

The members knew they could get good information with the drones. But it's against the law right now to fly drones in the United States.

Some groups can ask for special permission. But then the government makes them wait two days. And the government says the pilot must keep watching the plane. Those rules don't work with tornadoes. The storms form in hours. And the rain hides the plane so you can't see it.

Scientists are upset by how long it takes. But change is coming. Congress passed a law to let drones fly in the U.S. by 2015.

Vocabulary

- **warning** → something that tells someone about possible danger or trouble
- **radar**→ a device that sends out radio waves for finding out the position and speed of a moving object
- **drones** → a type of small aircraft that flies without a pilot
- **sturdy** → strongly made
- **equipment** → supplies or tools needed for a special purpose
- **detect** → to discover or notice

Vocabulary Memory Game

Directions: Cut out the cards and turn them face down (you can't see the words). Take turns picking two cards to match the vocabulary word to its definition. If you find a word and its matching definition, go again! If they do not match, it is the next person's turn. The player with the most matching cards wins!

warning	something that tells someone about possible danger or trouble	radar	a device that sends out radio waves for finding out the position and speed of a moving object
drones	a type of small aircraft that flies without a pilot	sturdy	a strongly made
equipment	supplies or tools needed for a special purpose	detect	to discover or notice

Lesson 7 Note-Catcher

Directions: Read the first 5 sections of *From battlefield to cornfield: Using drones to track twisters* and answer the questions on the note-catcher.

Use quotes from the text in your answers.

What (What is the average warning time?) **Refer to paragraph 1.**	**Where** (Which state is using drones for science?)	**Who** (Who is designing and building the planes?)
When (When did Congress pass a law to let drones fly in the U.S.?)	**Additional Fact**	**Additional Fact**

Quiz

1 Why are scientists planning to send drones into tornadoes?

(A) They want to get congress to let them use a drone without getting permission first.

(B) They want to warn people hours ahead of a coming tornado.

(C) They want to study how tornadoes affect drones.

(D) They want to spy on people.

2 Why are scientists at an Oklahoma university building weather equipment that will go into a drone?

(A) to study the wind

(B) to study the ocean

(C) to find tornadoes

(D) to study the atmosphere

3 Why are the scientists upset?

(A) because it takes the government too long to let the scientists use drones

(B) because there is no government money for building drones

(C) because the government is not supporting their work because there aren't enough pilots to watch the drones

(D) because there are too many drones in the sky

4 Select the paragraph that shows the reason that scientists are upset with the government.

Name _____ Date _____

Figurative Language: Figure It Out!

Draw a line to match each type of figurative language with its definition.

simile	a phrase with a figurative meaning that is different than its literal meaning
metaphor	an exaggeration so dramatic that it is obviously not true
idiom	a comparison of two things that are not alike, using the words "like" or "as"
hyperbole	when a set of words uses the same sound or letters repeatedly
personification	the use of descriptive words that appeal to the five senses
alliteration	sound words
onomatopoeia	a comparison of two things that are not alike, using the words "is" or "are"
imagery	giving human characteristics to something nonhuman

Choose the correct type of figurative language for each example below.

1. **It is raining cats and dogs outside.** a. metaphor b. idiom c. onomatopoeia	2. **The old door creaked open.** a. hyperbole b. alliteration c. onomatopoeia
3. **Mom is a real bear when she's mad.** a. metaphor b. personification c. simile	4. **The trees danced around in the breeze.** a. simile b. imagery c. personification
5. **My backpack weighs a ton!** a. idiom b. alliteration c. hyperbole	6. **Priya played piano perfectly.** a. personification b. alliteration c. hyperbole
7. **The fresh, juicy orange is tangy and sweet.** a. idiom b. imagery c. onomatopoeia	8. **My dad is as strong as an ox.** a. simile b. metaphor c. imagery

Weekly Journal Entries

1. Do you have any concerns about not coming back to school this year?

2. What questions do you have about going to middle school?

3. What are you excited about in 6th grade?

Answer Keys

FIGURATIVE LANGUAGE: FIGURE IT OUT

simile: a comparison of two things that are not alike using the words "like" or "as"

metaphor: a comparison of two things that are not alike, using the words "is" or "are"

idiom: a phrase with a figurative meaning that is different than its literal meaning

hyperbole: an exaggeration so dramatic that it is obviously not true

personification: giving human characteristics to something nonhuman

alliteration: when a set of words uses the same sounds or letters repeatedly

onomatopoeia: sound words

imagery: the use of descriptive words that appeal to the five senses

1. idiom
2. onomatopoeia
3. metaphor
4. personification
5. hyperbole
6. alliteration
7. imagery
8. simile

LESSON 7 NOTE-CATCHER

What is the average warning time?	Which state is leading the charge?
"People may only know a few minutes ahead of time that a storm is on its way."	"Oklahoma wants to use drones for science."
(Who is designing and building the planes?)	**(When did Congress pass a law to let drones fly in the U.S.?)**
"Jacob wants to figure out tornadoes. His students help design and build the planes."	"Congress passed a law to let drones fly in the U.S. by 2015."

Answer Key

1 Why are scientists planning to send drones into tornadoes?

(A) They want to get congress to let them use a drone without getting permission first.

(B) They want to warn people hours ahead of a coming tornado.

(C) They want to study how tornadoes affect drones.

(D) They want to spy on people.

2 Why are scientists at an Oklahoma university building weather equipment that will go into a drone?

(A) to study the wind

(B) to study the ocean

(C) to find tornadoes

(D) to study the atmosphere

3 Why are the scientists upset?

(A) because it takes the government too long to let the scientists use drones

(B) because there is no government money for building drones

(C) because the government is not supporting their work because there aren't enough pilots to watch the drones

(D) because there are too many drones in the sky

4 Select the paragraph that shows the reason that scientists are upset with the government.

Paragraph 12:
Some groups can ask for special permission. But then the government makes them wait two days. And the government says the pilot must keep watching the plane. Those rules don't work with tornadoes. The storms form in hours. And the rain hides the plane so you can't see it.

Special Forces Choice Board

3-5

Color each square that you complete

Art **Bowling Game** Decorate strips of paper to wrap and secure around empty water bottles. Make a ball out of aluminum foil. Ready, Set, Bowl!	**PE** Run 3 laps outside, either around your house or your yard, **AND** Jump rope for 5 minutes using an actual jump rope or an imaginary rope.	**Music** Go outside and listen to the different noises made by animals, insects, people, cars, planes, etc. See how many different noises you can identify.	**Media** Read out loud to an adult! You can take turns reading too!
PE **BATMAN Workout** www.tinyurl.com/BatWorkout **OR** **BATGIRL Workout** www.tinyurl.com/BatgirlWorkout **OR** Build an indoor/outdoor obstacle course	**Music** Create 4 beat rhythms (use only 4 notes) use ta  ti-ti  and rest  . Practice clapping, tapping, and patting them.	**Media** Write a review of a book you have read. Would you recommend this book to someone else? Why?	**Art** **Zentangle** Draw circles all over a piece of paper (different sizes). Draw a pattern in each circle. Color.
Music Jump the Beat: Jump rope while saying jump rope rhymes or singing a song. See if you can keep the steady beat with your jumping. If you don't have a jump rope, try hopping on one foot.	**Media** Read in a pillow fort!	**Art** Gather all different kinds of pasta. Glue onto a piece of paper, shaping into people. OR Cut and illustrate paper dolls for each member of your family.	**PE** Dance for 10 minutes to your favorite songs, **AND** Stretch for 10 minutes
Media Pick an interesting article from Social Studies Weekly. Based on evidence from the article, give a news a report to someone in your home.	**Art** **Make Salt Dough** ½ Cup Salt 2 Cups Flour 1 Cup Water	**PE** **ANTMAN Workout** www.tinyurl.com/ AntmanWorkout **OR** **CYBORG Workout** www.tinyurl.com/ CyborgWorkout **OR** Play a tag game for 10 minutes	**Music** Grab your favorite book and instead of reading it – sing it!
Art Write the names of your family members in cursive. Trace with various colors.	**PE** Do 20 burpees and perofrm a high or low plank holding it as long as possible.	**Music** What are 10 words you can write on a music staff using only the letters in our musical alphabet (A,B,C,D,E,F, and G)? Can you draw a music staff (5 lines) and show where those notes go on the treble clef? (remember G is on line 2!)	**Media** Tie a blanket, towel, or scarf around your neck and read like you are a superhero!

UNO HOME FITNESS!

EQUIPMENT

Deck of UNO Cards

OBJECTIVE

Collect as many cards as possible in a set time period

RULES

1. Play by yourself or with as many people that want to participate.
2. Keep the cards in a pile.
3. The first person takes a card and does the exercise and the number of repetitions (example: a yellow 5= 5 jumping jacks).
4. The next player immediately takes a card and does the exercise.
5. Once a player is finished they may grab another card.
6. Play continues until all the cards are gone or time is up (5-10 minutes).
7. Whoever Has the most cards wins!!!

CARDS

Counselors' Corner

Mrs. Dingess, Ms. Green, Mrs. Jenkins, Mrs. Miller

Weekly Focus

PUTTING IT INTO PRACTICE

Dear Parents/Guardians:

If you have not done so already, give yourselves a huge pat on the back. You have taken on a task you neither expected nor requested, and you are surviving ~ maybe even thriving ~ during this difficult time. You are to be commended!

I'd like to share a simple but important tip with you for this journey which we are all on together:

> During commercial flights, included in pre-flight instructions is that if oxygen masks are needed, put yours on first, before assisting others. You cannot take care of others if you are not in good shape yourself. If you are having difficulty, as we will at times during this situation, read the "Courage" and "Calming Tools" activity pages provided in the previous two weeks of *Counselors' Corner* and adapt the information there to suit your needs. Your children look to you to see how to react in any given situation, and if they see you showing courage and exhibiting calm in the midst of everything, they are far more likely to do so themselves. *YOU* were their first teacher; they are looking to you for guidance...and they are in good hands!

On the next page is a flower of activities for your child to do. He/she may choose to do some or all of them, coloring each flower part as the activity is completed. Hopefully they will have fun with this, but it can also be beneficial in helping them through this or any other challenging time. When our thoughts and actions go out to others, or when we at least focus on something besides ourselves, we are far less likely to dwell on our problems, our fears, or our fusses with our siblings!

Thank you for all you are doing ~ you are amazing!

Athens City Schools School Counselors

Color each flower part after you do the activity. You may think up your own activity for the center of the flower. Have fun, and please know we are so anxious to see how much YOU have blossomed when we get to see you again!