

Good morning, dear students,

I have fallen ill and will not be in for a couple of days. Please complete the following reviews and upload them according to the following dates:

Monday, December 2<sup>nd</sup> – Chapter 3 & 4 Review.

Tuesday, December 3<sup>rd</sup> – Chapter 6 Review.

Please upload both of these complete to archie by the end of the day, Tuesday, December 3<sup>rd</sup>.

Sincerely,

- P. Vanegas

# Chapter Review

1. Chaz kept a record of how many gallons of gas he purchased each day last week.

Day	Gas (in gallons)
Monday	4.5
Tuesday	3.9
Wednesday	4.258
Thursday	3.75
Friday	4.256

Order the days from least amount of gas Chaz purchased to greatest amount of gas Chaz purchased.

Least				Greatest

2. For 2a–2c, select True or False for each statement.

- 2a. 16.437 rounded to the nearest whole number is 16. ☐ True ☐ False
- 2b. 16.437 rounded to the nearest tenth is 16.4. ☐ True ☐ False
- 2c. 16.437 rounded to the nearest hundredth is 16.43. ☐ True ☐ False

3. Decompose the decimal 2 different ways.

1.  $5.682 =$  \_\_\_\_\_ ones  $+$  \_\_\_\_\_ tenths  $+$  \_\_\_\_\_ hundredths  
 $+$  \_\_\_\_\_ thousandths
- $5.682 =$  \_\_\_\_\_ ones  $+$  \_\_\_\_\_ tenths  $+$  \_\_\_\_\_ hundredths  
 $+$  \_\_\_\_\_ thousandths

4. What is the value of the underlined digit? Mark all that apply.

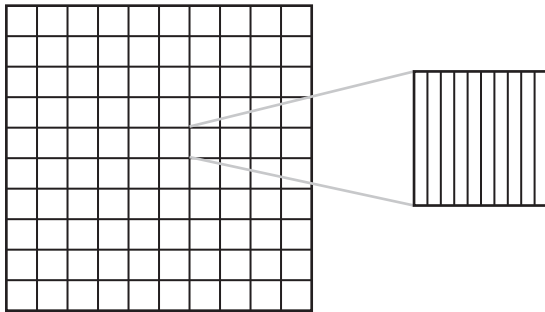
0.679

- ☐ 0.6                      ☐ six hundredths
- ☐ 0.06                    ☐  $6 \times \frac{1}{10}$
- ☐ six tenths

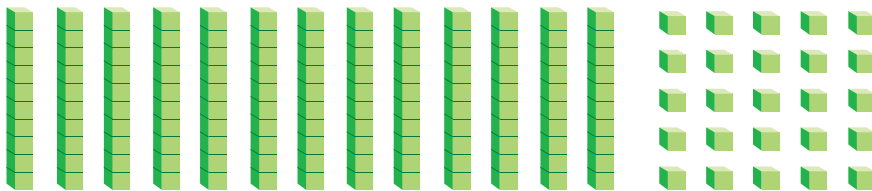
5. Eduar jogged 3.26 kilometers when rounded to the nearest hundredth. Which could be how far he jogged? Mark all that apply.

- ☐ 3.257 km
- ☐ 3.254 km
- ☐ 3.272 km
- ☐ 3.261 km

6. Shade the model to show the decimal 0.542.



7. Julianne models the number 1.325 with base ten blocks.



Is she correct? Explain.

Name \_\_\_\_\_

8. Round 25.999 to the nearest hundredth. Explain.

9. What number is composed of 7 ones, 11 tenths, 12 hundredths and 41 thousandths?

\_\_\_\_\_

10. Write the number 0.783 in two other forms.

word form: \_\_\_\_\_

expanded form: \_\_\_\_\_

11. The price of hand soap at the grocery store is \$0.649. For 11a-11c, select True or False for each statement.

11a. Rounded to the nearest whole number, the price is \$1 per ounce. ☐ True ☐ False

11b. Rounded to the nearest tenth, the price is \$0.7 per ounce. ☐ True ☐ False

11c. Rounded to the nearest hundredth, the price is \$0.65 per ounce. ☐ True ☐ False

12. Complete the table.

Decimal	10 times as much as	$\frac{1}{10}$ of
0.08		
0.2		
0.6		
0.05		

13. Rafael bought 2.15 pounds of potato salad and 4.2 pounds of macaroni salad to bring to a picnic. For 13a–13c, select Yes or No to indicate whether each statement is true.

- 13a. Rounded to the nearest whole number, Rafael bought 2 pounds of potato salad. ☐ Yes ☐ No
- 13b. Rounded to the nearest whole number, Rafael bought 4 pounds of macaroni salad. ☐ Yes ☐ No
- 13c. Rounded to the nearest tenth, Rafael bought 2.1 pounds of potato salad. ☐ Yes ☐ No

14. The four highest scores on the floor exercise at a gymnastics meet were 9.675, 9.25, 9.325, and 9.5 points. Choose the numbers that make the statement true.

The lowest of these four scores was 

9.675  
9.25  
9.325  
9.5

 points. The highest

of these four scores was 

9.675  
9.25  
9.325  
9.5

 points.

Name \_\_\_\_\_

15. Michelle records the value of 1 euro in U.S. dollars each day for her social studies project. The table shows the data she has recorded so far.

Day	Value of 1 Euro (in U.S. dollars)
Monday	1.448
Tuesday	1.443
Wednesday	1.452
Thursday	1.458

On which two days was the value of 1 euro the same when rounded to the nearest hundredth of a dollar?

16. Estee, Sarai, and Kurry each chose a number. Estee's number is  $\frac{1}{10}$  of Sarai's. Kurry's number is 10 times as much as Sarai's. Sarai's number is 0.09. What number did each person choose?

17. Karis has plants that are 16.407 centimeters, 16.427 centimeters tall, and 16.413 centimeters tall.

## Part A

To compare the heights of the plants, which is the place value that you will consider? Explain.

## Part B

Order the heights of the plants from tallest to shortest.

18. 0.4 is \_\_\_\_\_ times as much as \_\_\_\_\_.

So, 4 tenths = \_\_\_\_\_ thousandths.

19. Choose the value that makes the statement true.

In the number 1.025, the value of the digit 2 is 2 \_\_\_\_\_, and the

value of the digit 5 is 5 \_\_\_\_\_.

ones  
tenths  
hundredths  
thousandths

ones  
tenths  
hundredths  
thousandths

20. A rounded number for the weight of a puppy is 15.87 pounds. What are the least and greatest weights to the thousandths that could round to 15.87 pounds? Explain.

21. 0.84 is 10 times as much as \_\_\_\_\_

and  $\frac{1}{10}$  of \_\_\_\_\_.

0.084  
0.84  
8.4  
84

0.084  
0.84  
8.4  
84

Name \_\_\_\_\_

## Chapter Review

1. Chaz kept a record of how many gallons of gas he purchased each day last week.

Day	Gas (in gallons)
Monday	4.5
Tuesday	3.9
Wednesday	4.258
Thursday	3.75
Friday	4.256

How many gallons of gas did he purchase from Tuesday to Thursday last week?

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2. For problems 2a–2c, select True or False for each statement.

2a.  $1.734 - 0.268 = 1.466$  ☐ True ☐ False

2b.  $4.57 + 7.945 = 12.515$  ☐ True ☐ False

2c.  $14 - 0.821 = 13.821$  ☐ True ☐ False

3. Students are selling muffins at a school bake sale. One muffin costs \$0.25, 2 muffins cost \$0.37, 3 muffins cost \$0.49, and 4 muffins cost \$0.61. If this pattern continues, how much will 7 muffins cost? Explain how you found your answer.



4. The sum of two numbers is 6.006. One number has a 6 in the tenths place and a 2 in the thousandths place. The other number has a 3 in the ones place and a 7 in the hundredths place. What are the two numbers?
- 

5. Rowanda jogged 2.14 kilometers farther than Terrance. Select the values that could represent how far each student jogged. Mark all that apply.

- ☐ Rowanda: 6.5 km, Terrance: 4.36 km
- ☐ Rowanda: 4.8 km, Terrance: 2.76 km
- ☐ Rowanda: 3.51 km, Terrance: 5.65 km
- ☐ Rowanda: 7.24 km, Terrance: 5.1 km

6. Subtract.

$$\begin{array}{r} 5 \\ - 4.368 \\ \hline \end{array}$$

7. Benjamin rode his bicycle 3.6 miles on Saturday and 4.85 miles on Sunday. How many miles did he ride Saturday and Sunday combined? Use the digits on the tiles to solve the problem. Digits may be used more than once or not at all.

$$\begin{array}{r} \square \square \square . \square \square \square \\ + \square \square \square . \square \square \square \\ \hline \square \square \square . \square \square \square \end{array}$$

0	1
2	3
4	5
6	7
8	9

Name \_\_\_\_\_

8. The school is 3.65 miles from Tonya's house and 1.28 miles from Jamal's house. How much farther from school is Tonya's house than Jamal's house? Explain how you can use a quick picture to solve the problem.

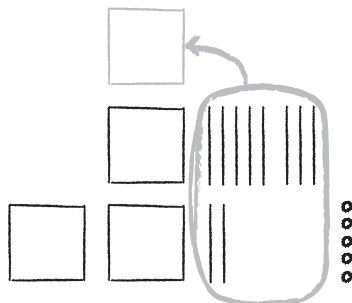
9. A vet measured the mass of two birds. The mass of the robin was 76.64 grams. The mass of the blue jay was 81.54 grams. What is the difference in the masses of the birds?

\_\_\_\_\_ grams

10. Rick bought 5 yogurt bars at a snack shop. Each yogurt bar cost \$1.75. Complete the table to show the price of 2, 3, 4, and 5 yogurt bars.

Number of Yogurt Bars	Price
1	\$1.75
2	
3	
4	
5	

11. Clayton Road is 2.25 miles long. Wood Pike Road is 1.8 miles long. Kisha used a quick picture to find the combined length of the roads. Does Kisha's work make sense? Explain why or why not.



12. Bob and Ling are playing a number pattern game. Bob wrote the following sequence.

28.9, 26.8, 24.7, \_\_\_\_\_, 20.5

What is the unknown term in the sequence?

13. You have \$20 to spend. Songs are \$1.79 and movies are \$4.99. Select Yes or No to indicate whether you can buy the combination of songs and movies.

13a. 1 movie and 8 songs ☐ Yes ☐ No

13b. 3 movies and 3 songs ☐ Yes ☐ No

13c. 2 movies and 5 songs ☐ Yes ☐ No

14. 0.8, 2.1, 3.4, 4.7,... Choose the answers that make the statement true.

The next number in the sequence is

5.2

6.0

5.3

6.1

because the

rule for the sequence is

add 1.3

add 0.3

subtract 1.5

subtract 0.8

Name \_\_\_\_\_

15. Alejandra starts with \$139.55 in her savings account. She adds \$18.25 to the account every week.

15a. How much will she have in her account after 3 weeks?

\_\_\_\_\_

15b. In week 4, Alejandra only deposits \$15.65 instead of the usual amount. How much money will be in her savings account after 4 weeks?

\_\_\_\_\_

16. Miguel has \$20. He spends \$7.25 on a movie ticket, \$3.95 for snacks, and \$1.75 for bus fare each way. How much money does Miguel have left?

\$ \_\_\_\_\_

17. Yolanda's sunflower plant was 64.34 centimeters tall in July. During August, the plant grew 18.2 centimeters.

## Part A

What will the plant's height be at the end of August? Explain.

## Part B

How much will the plant have to grow to reach 100 cm by the end of September?

18. Oscar ran the 100-yard dash in 12.41 seconds. Jesiah ran the 100-yard dash in 11.85 seconds. How many seconds faster was Jesiah's time than Oscar's time?

\_\_\_\_\_ second(s)

19. Write the next four terms of the sequence.

Rule: start at 32.9, subtract 3.67.

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

20. Troy and Lazetta are solving the following word problem.

Rosalie's cat weighs 9.8 pounds. Her dog weighs 25.4 pounds. What is the weight of both animals combined?

Troy sets up his problem as  $9.8 + 25.4$ . Lazetta sets up her problem as  $25.4 + 9.8$ . Who is correct? Explain your answer and solve the problem.

21. Add

$$\begin{array}{r} 7.584 \\ + 3.999 \\ \hline \end{array}$$

Name \_\_\_\_\_

# Chapter Review

1. Patricio is making a scale model of his school. His school is 11.4 meters tall. If the model is 0.07 of the actual size of the school, how tall is the model?

\_\_\_\_\_ meters

2. For 2a–2d, choose Yes or No to indicate whether the product is correct.

2a.  $0.3 \times 0.4 = 1.2$  ☐ Yes ☐ No

2b.  $0.02 \times 0.4 = 0.008$  ☐ Yes ☐ No

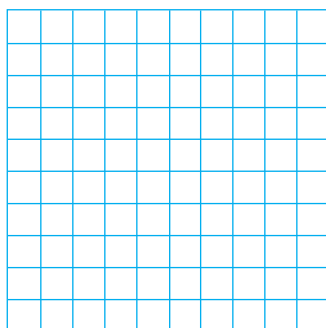
2c.  $0.05 \times 0.3 = 0.015$  ☐ Yes ☐ No

2d.  $0.06 \times 0.03 = 0.018$  ☐ Yes ☐ No

3. Leona is working with a piece of string that is 5.5 feet long. She needs the string to be 2.7 times as long. How long will the string be?

\_\_\_\_\_

4. Laurel models the product  $0.9 \times 0.6$ . Shade the correct amount of boxes that will show the product. Find the product.



$0.9 \times 0.6 =$  \_\_\_\_\_

5. Use properties to find  $4 \times 7.9 \times 2.5$ .

$7.9 \times \underline{\hspace{2cm}} \times 2.5 \underline{\hspace{2cm}}$  Property of  
Multiplication

$7.9 \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \underline{\hspace{2cm}}$   
Property of Multiplication

$7.9 \times \underline{\hspace{2cm}}$   
  
 $\underline{\hspace{2cm}}$

6. Which problems will have two decimal places in the product? Mark all that apply.

- ☒ A  $3.4 \times 6.7$     ☒ B  $7.4 \times 10$     ☒ C  $9.85 \times 1$   
☒ D  $8.4 \times 9$     ☒ E  $7 \times 2.96$

7. Madeleine is trying to multiply  $0.5 \times 0.34 \times 2$ . Explain how she can use the Identity Property of Multiplication to find the product. What is the product?

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8. Maria worked 31.75 hours this week.

### Part A

Last week, Maria worked 0.8 times as many hours. How many hours did she work last week? Show your work.

$\underline{\hspace{2cm}}$  hours

### Part B

Next week, Maria is scheduled to work 1.2 times as many hours. Assuming she works whatever she is scheduled for, how many hours will she work next week? Show your work.

$\underline{\hspace{2cm}}$  hours

Name \_\_\_\_\_

9. Arabella drives 17.8 miles a day. Yaya drives 1.6 times as far each day. How far does Yaya drive in 3 weeks? Show your work.

10. Elianna practices flute for 4.8 hours each week. Avery practices the oboe for 2.7 times as long each week. How many hours does Avery practice each week?

11. Use the numbers in the boxes to complete the number sentences.  
A number may be used more than once.

1,620

162

16.2

1.62

0.162

$3.6 \times 4.5 = \boxed{\phantom{000}}$

$3.6 \times 45 = \boxed{\phantom{000}}$

$3.6 \times 0.45 = \boxed{\phantom{000}}$

$0.36 \times 0.45 = \boxed{\phantom{000}}$

12. Beau spends 4 times as much as Jin on gear for the track season. Jin spent \$12.89. How much did Beau spend?

\$ \_\_\_\_\_



13. Saul bought 2.3 pounds of apples and 4 pounds of oranges. They each cost \$1.70 per pound.

### Part A

Explain how you could mentally find the cost of the oranges by using the Distributive Property. What is the cost?

### Part B

Show how you can use the Distributive Property to find the cost of the apples.

### Part C

Show that your answers in Parts A and B are correct by multiplying to find the products. What is the total cost of the apples and oranges?

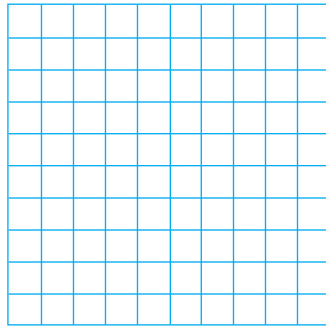
14. Complete the equation. Tell which property you used.

$$\begin{aligned} 7 \times 5.6 &= 7 \times (\underline{\hspace{2cm}} + 0.6) \\ &= (\underline{\hspace{2cm}} \times 5) + (7 \times \underline{\hspace{2cm}}) \\ &= \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \end{aligned}$$

I used the                      Property.

Name \_\_\_\_\_

15. Shade the model to show  $0.5 \times 0.3$ . Then find the product.



$$0.5 \times 0.3 = \boxed{\phantom{000}}$$

16. Genesis reports that  $4.5 \times 7.6 = 3.42$ . Is she correct? Explain your reasoning.

17. Explain how an estimate helps you to place the decimal point when multiplying  $3.9 \times 5.3$ .

18. On Saturday, Ahmed walks his dog 0.7 mile. On the same day, Latisha walks her dog 0.4 times as far as Ahmed walks his dog. How far does Latisha walk her dog on Saturday?

\_\_\_\_\_ mile(s)

19. For 19a–19d select True or False for each statement.

19a. The product of 1.5 and 2.8 is 4.2.

☐ True

☐ False

19b. The product of 7.3 and 0.6 is 43.8.

☐ True

☐ False

19c. The product of 0.09 and 0.7 is 6.3.

☐ True

☐ False

19d. The product of 0.79 and 1.5 is 1.185.

☐ True

☐ False

20. A builder buys 24.5 acres of land to develop a new community of homes and parks.

## Part A

The builder plans to use 0.25 of the land for a park. How many acres will he use for the park?

\_\_\_\_\_ acres

## Part B

He buys a second property that has 0.62 times as many acres as the first property. How many acres of land does the second property have? Show your work.

21. Joaquin lives 0.3 mile from Keith. Layla lives 0.4 times as far from Keith as Joaquin. How far does Layla live from Keith? Write an equation to solve.

\_\_\_\_\_ mile

22. Brianna is getting materials for a chemistry experiment. Her teacher gives her a container that has 0.15 liter of a liquid in it. Brianna needs to use 0.4 of this liquid for the experiment. How much liquid will Brianna use?

\_\_\_\_\_ liter