

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. $5.682 = \underline{\hspace{1cm}}$ ones + $\underline{\hspace{1cm}}$ tenths + $\underline{\hspace{1cm}}$ hundredths
+ $\underline{\hspace{1cm}}$ thousandths
- $5.682 = \underline{\hspace{1cm}}$ ones + $\underline{\hspace{1cm}}$ tenths + $\underline{\hspace{1cm}}$ hundredths
+ $\underline{\hspace{1cm}}$ thousandths

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

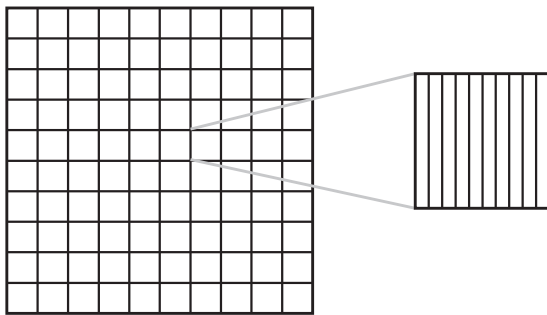
0.679

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

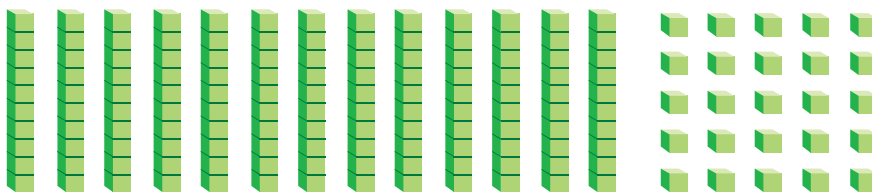
5. Eduar jogged 3.26 kilometers when rounded to the nearest hundredth. Which could be how far he jogged? Mark all that apply.

- ☐ 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

ones
tenths
hundredths
thousandths

, and the

value of the digit 5 is 5

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

0.084
0.84
8.4
84

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

0.084
0.84
8.4
84