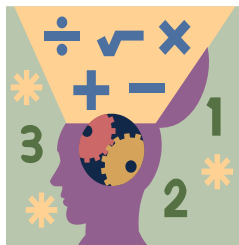


Name: \_\_\_\_\_ Section: \_\_\_\_\_



### Homework

Greetings Scholar and Parents. Welcome to the new year! This is your **first** homework packet of the year and you will see them in this format throughout. This week we will be working on **Chapter 3: Place Values and Decimals**, and later **Chapter 1**. Remember to check **CINEMATH** for reviews!

### Extra Practice

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **“What should I work on”** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- Place Values in Decimal Numbers
- Relationship Between Decimal Place Values
- Understanding Decimals Expressed in Words
- Compare Decimals Using Grids
- Round Decimals
- Compare, Order, and Round Decimals: Word Problems.

### Notes

**Completed homework packets should be uploaded or turned in on Sunday September 1st, 2024.** Students must prove and show all their work in the provide space. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on HMH. Please feel free to contact me with any questions or concerns at [peter.vanegas@archimedean.org](mailto:peter.vanegas@archimedean.org).

<u>Monday</u>	August 27 <sup>th</sup>	– 3.4
<u>Tuesday</u>	August 27 <sup>th</sup>	– 3.5
<u>Wednesday</u>	August 28 <sup>th</sup>	– <b>CHAPTER REVIEW</b>
<u>Thursday</u>	August 29 <sup>th</sup>	– Quiz Day
<u>Friday</u>	August 30 <sup>th</sup>	– 1.1

# Compare and Order Decimals

**Go Online**

Interactive Examples

**Compare. Write  $<$ ,  $>$ , or  $=$ .**

28.  $4.735 \bigcirc 4.74$

29.  $2.549 \bigcirc 2.549$

30.  $3.207 \bigcirc 3.027$

31.  $8.25 \bigcirc 8.250$

32.  $5.871 \bigcirc 5.781$

33.  $9.36 \bigcirc 9.359$

**Order from greatest to least.**

34.  $3.008; 3.825; 3.09; 3.18$

35.  $0.386; 0.3; 0.683; 0.836$

\_\_\_\_\_

\_\_\_\_\_

**Find the unknown digit to make each statement true.**

36.  $2.48 > 2.4 \square 1 > 2.463$

37.  $5.723 < 5.72 \square < 5.725$

38.  $7.64 < 7. \square 5 < 7.68$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_


## Problem Solving

39. The completion times for three runners in a 100-yard dash are 9.75 seconds, 9.7 seconds, and 9.675 seconds. Which is the least time?

\_\_\_\_\_

40. In a discus competition, an athlete threw the discus 63.37 meters, 62.95 meters, and 63.7 meters. Order the distances from least to greatest.

\_\_\_\_\_

41.  **WRITE** *Math* Write a word problem that can be solved by ordering three decimals to thousandths. Include a solution.

\_\_\_\_\_

\_\_\_\_\_

Lesson Check

Jay, Alana, Evan, and Stacey work together to complete a science experiment. The table at the right shows the amount of liquid left in each of their beakers at the end of the experiment.

Student	Amount of liquid (liters)
Jay	0.8
Alana	1.05
Evan	1.2
Stacey	0.75

42. Whose beaker has the greatest amount of liquid left in it?

\_\_\_\_\_

43. Whose beaker has the least amount of liquid left in it?

\_\_\_\_\_

Name \_\_\_\_\_

LESSON 3.5  
Practice and Homework

## Round Decimals

Go Online

Interactive Examples

Write the place value of the underlined digit. Round each number to the place of the underlined digit.

25. 0.782

\_\_\_\_\_  
\_\_\_\_\_

26. 4.735

\_\_\_\_\_  
\_\_\_\_\_

27. 2.348

\_\_\_\_\_  
\_\_\_\_\_

28. 0.506

\_\_\_\_\_  
\_\_\_\_\_

29. 15.186

\_\_\_\_\_  
\_\_\_\_\_

30. 8.465

\_\_\_\_\_  
\_\_\_\_\_

Name the place value to which each number was rounded.

31. 0.546 to 0.55

\_\_\_\_\_

32. 4.805 to 4.8

\_\_\_\_\_

33. 6.493 to 6

\_\_\_\_\_

Round 18.194 to the place named.

34. tenths

\_\_\_\_\_

35. hundredths

\_\_\_\_\_

36. ones

\_\_\_\_\_

## Problem Solving

37. The population density of Montana is 6.699 people per square mile. What is the population density per square mile of Montana rounded to the nearest whole number?

\_\_\_\_\_

38. Alex is mailing an envelope that weighs 0.346 pound. What is the weight of the envelope rounded to the nearest hundredth?

\_\_\_\_\_

39.  *Math* Describe how to round 3.987 to the nearest tenth.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Lesson Check

- 40.** Ms. Ari buys and sells diamonds. She has a diamond that weighs 1.825 carats. What is the weight of Ms. Ari's diamond rounded to the nearest hundredth?
- 41.** A machinist uses a special tool to measure the diameter of a small pipe. The measurement tool reads 0.276 inch. What is this measure rounded to the nearest tenth?

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# 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.

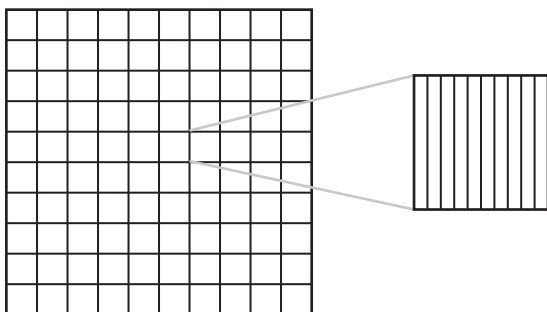
0.679

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

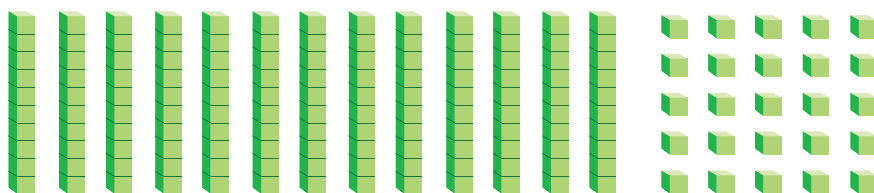
5. Eduar jogged 3.26 kilometers when rounded to the nearest hundredth. Which could be how far he jogged? Mark all that apply.

- ☐ 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 \_\_\_\_\_, 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 \_\_\_\_\_

LESSON 1.1  
Practice and Homework

# Multiply by Multi-Digit Numbers

Go Online

Interactive Examples

Estimate. Then find the product using the method of your choice.

23. Estimate: 4,000

$$\begin{array}{r} 82 \\ \times 49 \\ \hline 738 \\ + 3,280 \\ \hline 4,018 \end{array}$$

24. Estimate: \_\_\_\_\_

$$\begin{array}{r} 8,792 \\ \times 68 \\ \hline \end{array}$$

25. Estimate: \_\_\_\_\_

$$\begin{array}{r} 1,537 \\ \times 242 \\ \hline \end{array}$$

26.  $523 \times 267$

27.  $15,309 \times 29$

28.  $612 \times 87$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Problem Solving



29. A company shipped 48 boxes of canned dog food. Each box contains 24 cans. How many cans of dog food did the company ship in all?

\_\_\_\_\_

30. There were 135 cars in a rally. Each driver paid a \$25 fee to participate in the rally. How much money did the drivers pay in all?

\_\_\_\_\_

31. **WRITE** *Math* Write a problem multiplying a 3-digit number by a 2-digit number. Show all the steps to solve it by using place value and regrouping and by using partial products.

## Lesson Check

- 32.** A chessboard has 64 squares. At a chess tournament 84 chessboards were used. How many squares are there on 84 chessboards?
- 33.** Last month, a manufacturing company shipped 452 boxes of ball bearings. Each box contains 48 ball bearings. How many ball bearings did the company ship last month?

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