

## 5TH GRADE AMERICAN MATH HW

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



### Homework

Hello Scholars and Parents,  
The homework of this week is about the application of adding and subtracting decimals through thousandths in solving real world problems, especially the problems involving money. The scholars will study more about adding and subtracting decimals in the classroom and after class. Please do not work ahead on homework. Failure to complete homework or bring packet to class will result in points less.

### Reminders

Please have your scholars use the textbook and journal for the daily lesson, and iPad for the daily homework check. We need more practice to enhance our calculation skill of division in different ways and we will continue the study of decimals. There you will see assignments for each section in the chapter 5 we are going to finish in week 10.  
The instruction of access to textbook and the extra practices are available on archie.

### Notes

Completed homework packets should be uploaded or turned in on **Monday** October 24th. Students must prove and show all their work. 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 Archimedean Cinemath. Please feel free to contact me with any questions or concerns at [mei.zhang@archimedean.org](mailto:mei.zhang@archimedean.org).

<u>Monday</u>	October 17th	- Correct Chapter test
<u>Tuesday</u>	October 18th	- Lesson 5.1 & homework
<u>Wednesday</u>	October 19th	- Lesson 5.2 & homework
<u>Thursday</u>	October 20th	- Lesson 5.3 & homework
<u>Friday</u>	October 21st	- STEM

Name \_\_\_\_\_

## LESSON 5.1

### Practice and Homework

# Understand Decimal Multiplication Patterns

Go Online

Interactive Examples

Complete the pattern.

1.  $2.07 \times 1 = \underline{2.07}$

$2.07 \times 10 = \underline{20.7}$

$2.07 \times 100 = \underline{207}$

$2.07 \times 1,000 = \underline{2,070}$

2.  $1 \times 30 = \underline{\hspace{2cm}}$

$0.1 \times 30 = \underline{\hspace{2cm}}$

$0.01 \times 30 = \underline{\hspace{2cm}}$

3.  $1 \times 0.23 = \underline{\hspace{2cm}}$

$10 \times 0.23 = \underline{\hspace{2cm}}$

$100 \times 0.23 = \underline{\hspace{2cm}}$

$1,000 \times 0.23 = \underline{\hspace{2cm}}$

4.  $390 \times 1 = \underline{\hspace{2cm}}$

$390 \times 0.1 = \underline{\hspace{2cm}}$

$390 \times 0.01 = \underline{\hspace{2cm}}$

5.  $1 \times 5 = \underline{\hspace{2cm}}$

$0.1 \times 5 = \underline{\hspace{2cm}}$

$0.01 \times 5 = \underline{\hspace{2cm}}$

6.  $1 \times 9,670 = \underline{\hspace{2cm}}$

$0.1 \times 9,670 = \underline{\hspace{2cm}}$

$0.01 \times 9,670 = \underline{\hspace{2cm}}$

7.  $874 \times 1 = \underline{\hspace{2cm}}$

$874 \times 10 = \underline{\hspace{2cm}}$

$874 \times 100 = \underline{\hspace{2cm}}$

$874 \times 1,000 = \underline{\hspace{2cm}}$

8.  $1 \times 10 = \underline{\hspace{2cm}}$

$10 \times 10 = \underline{\hspace{2cm}}$

$100 \times 10 = \underline{\hspace{2cm}}$

$1,000 \times 10 = \underline{\hspace{2cm}}$

9.  $1 \times 49.32 = \underline{\hspace{2cm}}$

$10 \times 49.32 = \underline{\hspace{2cm}}$

$100 \times 49.32 = \underline{\hspace{2cm}}$

$1,000 \times 49.32 = \underline{\hspace{2cm}}$

## Problem Solving

10. Aylan plants equal-sized squares of sod in a yard. Each square has an area of 6 square feet. Aylan plants a total of 1,000 squares in a yard. What is the total area of the squares of sod?

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11. Three friends are selling items at a bake sale. Ms. May makes \$23.25 selling bread. Ms. Inez sells gift baskets and makes 100 times as much as Ms. May. Ms. Jo sells pies and makes one tenth of the money Ms. Inez makes. How much money does each friend make?

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Name \_\_\_\_\_

**LESSON 5.2**  
**Practice and Homework**

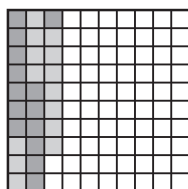
## Represent Multiplication with Decimals and Whole Numbers

**Go Online**

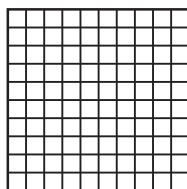
Interactive Examples

Use the decimal model to find the product.

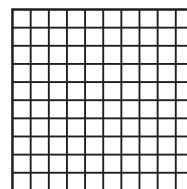
1.  $4 \times 0.07 =$  0.28



2.  $3 \times 0.27 =$  \_\_\_\_\_



3.  $2 \times 0.45 =$  \_\_\_\_\_



Find the product. Draw a quick picture.

4.  $2 \times 0.8 =$  \_\_\_\_\_

5.  $2 \times 0.67 =$  \_\_\_\_\_

6.  $5 \times 0.71 =$  \_\_\_\_\_

7.  $4 \times 0.23 =$  \_\_\_\_\_

### Problem Solving

8. In physical education class, Sonia walks a distance of 0.12 mile in 1 minute. At that rate, how far can she walk in 9 minutes?

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9. A certain tree can grow 0.45 meter in one year. At that rate, how much can the tree grow in 3 years?

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Name \_\_\_\_\_

LESSON 5.3

Practice and Homework

# Multiplication with Decimals and Whole Numbers

Go Online

Interactive Examples

Find the product.

1. 
$$\begin{array}{r} 5.2 \\ \times 4 \\ \hline 20.8 \end{array}$$

**Think:** The place value of the decimal factor is tenths.

2. 
$$\begin{array}{r} 9.8 \\ \times 6 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 13.02 \\ \times 5 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 8.42 \\ \times 9 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 14.05 \\ \times 7 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 23.82 \\ \times 5 \\ \hline \end{array}$$

7.  $4 \times 9.3$

8.  $3 \times 7.9$

9.  $5 \times 42.89$

10.  $8 \times 2.6$

11.  $6 \times 0.92$

12.  $9 \times 1.04$

13.  $7 \times 2.18$

14.  $3 \times 19.54$

## Problem Solving

15. A half-dollar coin issued by the United States Mint measures 30.61 millimeters across. Mikk has 9 half-dollar coins. He lines them up edge to edge in a row. What is the total length of the row of half-dollar coins?

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16. One pound of grapes costs \$3.49. Linda buys exactly 3 pounds of grapes. How much will the grapes cost?

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