

Name: _____ Section: _____



Hello scholars and parents. We will start Chapter 5 Multiply Decimals and Whole Numbers this week and will complete Chapter 4 Test .

If you have any questions or concerns, please feel free to contact me at vasily.tserekh@archimedean.org .

Notes

Students **MUST** prove and show all their work. If additional space is needed, please feel free to attach lined paper to the homework packet. **Failure to show your work will result in a lower grade.** Please complete the homework to the best of your abilities

Monday October 30 Chapter 5 Lesson 1

Tuesday October 31 Chapter 5 Lesson 2

Wednesday November 1 – Chapter 5 Lesson 3

Thursday November 2– Chapter 4 Test

Friday November 3 – Chapter 4 Test Correction

Parents please initial below each day acknowledging your child has completed the assigned homework. **Homework will be checked daily in class. Completed homework packets are due on Monday november 6 for a grade.**

Monday October 30	Tuesday October 31	Wednesday November 1	Thursday November 2	Friday November 3
HW page 1	Homework page 2	Homework page 3	No HW	No HW

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?

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?

12.  *Math* Explain how to use a pattern to find the product of a decimal.

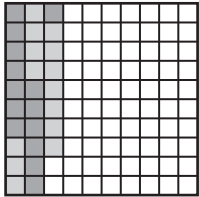
Represent Multiplication with Decimals and Whole Numbers

Go Online

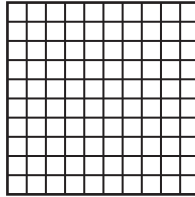
Interactive Examples

Use the decimal model to find the product.

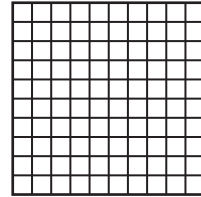
1. $4 \times 0.07 = \underline{0.28}$



2. $3 \times 0.27 = \underline{\hspace{2cm}}$



3. $2 \times 0.45 = \underline{\hspace{2cm}}$



Find the product. Draw a quick picture.

4. $2 \times 0.8 = \underline{\hspace{2cm}}$

5. $2 \times 0.67 = \underline{\hspace{2cm}}$


6. $5 \times 0.71 = \underline{\hspace{2cm}}$

7. $4 \times 0.23 = \underline{\hspace{2cm}}$

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?

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

10.  **WRITE** *Math* Explain how multiplying a whole number and a decimal is similar to and different from multiplying whole numbers.

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. 4×9.3

8. 3×7.9

9. 5×42.89

10. 8×2.6

11. 6×0.92

12. 9×1.04


13. 7×2.18

14. 3×19.54

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?

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

17.  **WRITE** *Math* Compare and contrast the methods you can use to multiply a whole number and a decimal.
