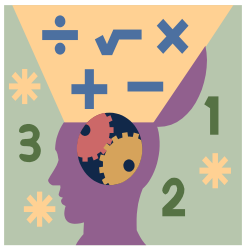
Name:_____ Section: _____



Homework

Greetings Scholars and Parents. Hope you are all comfortably settled into the new year. This week we will be finishing up **Chapter 5 & 6 – Decimal Multiplication.** Remember to check **CINEMATH** for reviews!

Extra Practice – OPTIONAL THIS WEEK

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **"FROM YOUR TEACHER"** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- Multiply a decimal by a power of ten
- Multiply by 0.1 or 0.01
- Multiply a decimal by a two-digit whole number
- Multiply two decimals: where does the decimal point go?
- Multiply two decimals: products up to thousandths
- Multiply three or more numbers, including decimals

Notes

Completed homework packets should be uploaded or turned in on **Sunday, September 21st**. 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.

Monday	September 15th	– 5.1
Tuesday	September 16th	– 5.3 & 5.4
Wednesday	September 17th	– 6.2 & 6.3
Thursday	September 18th	– **STUDY GUIDE –** Multiplying Decimals
Friday	September 19th	– Study Guide Continued (no additional HW).

Name _____

Understand Decimal Multiplication Patterns

Go Online
Interactive Examples

Complete the pattern.

1. $2.07 \times 1 =$ 2.07
$2.07 \times 10 =$ 20.7
$2.07 \times 100 =$ 207
$2.07 \times 1{,}000 =$ 2,070

2. $1 \times 30 =$ _____
$0.1 \times 30 =$ _____
$0.01 \times 30 =$ _____

3. $1 \times 0.23 =$ _____
$10 \times 0.23 =$ _____
$100 \times 0.23 =$ _____
$1{,}000 \times 0.23 =$ _____

4. $390 \times 1 =$ _____
$390 \times 0.1 =$ _____
$390 \times 0.01 =$ _____

5. $1 \times 5 =$ _____
$0.1 \times 5 =$ _____
$0.01 \times 5 =$ _____

6. $1 \times 9{,}670 =$ _____
$0.1 \times 9{,}670 =$ _____
$0.01 \times 9{,}670 =$ _____

7. $874 \times 1 =$ _____
$874 \times 10 =$ _____
$874 \times 100 =$ _____
$874 \times 1{,}000 =$ _____

8. $1 \times 10 =$ _____
$10 \times 10 =$ _____
$100 \times 10 =$ _____
$1{,}000 \times 10 =$ _____

9. $1 \times 49.32 =$ _____
$10 \times 49.32 =$ _____
$100 \times 49.32 =$ _____
$1{,}000 \times 49.32 =$ _____

Problem Solving Real World

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?

_____

Name _____

Multiplication with Decimals and Whole Numbers

Go Online
Interactive Examples

Find the product.

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

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

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

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

13. 7×2.18

14. 3×19.54

Problem Solving Real World

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?

Lesson Check

18. Pete wants to make turkey sandwiches for two friends and himself. He wants each sandwich to contain 3.5 ounces of turkey. How many ounces of turkey does he need?

19. Gasoline costs $3.37 per gallon. Mila's father puts 9 gallons of gasoline in the tank of his car. How much will the gasoline cost?

Name _____

Multiply Using Expanded Form

Go Online
Interactive Examples

Draw a model to find the product.

1. $37 \times 9.5 =$ 351.5

	9	0.5
30	270	15
7	63	3.5

2. $84 \times 0.24 =$ _____

Find the product.

3. $13 \times 0.53 =$ _____

4. $27 \times 89.5 =$ _____

5. $32 \times 12.71 =$ _____

Problem Solving Real World

9. An object that weighs one pound on the moon will weigh about 6.02 pounds on Earth. Suppose a moon rock weighs 11 pounds on the moon. How much will the same rock weigh on Earth?

10. Tessa is on the track team. For practice and exercise, she runs 2.25 miles each day. At the end of 14 days, how many total miles will Tessa have run?

Name _____

Multiply Decimals

Go Online
Interactive Examples

Find the product.

1. $5.8 \times 2.4 = 13.92$

$58 \times 24 = 232 + 1{,}160 = 1{,}392$

2. 7.3×9.6

3. 46.3×0.8

4. 29.5×1.3

5. 3.76×4.8

Problem Solving Real World

11. Aretha runs a marathon in 3.25 hours. Neal takes 1.6 times as long to run the same marathon. How many hours does it take Neal to run the marathon?

12. Tiffany catches a fish that weighs 12.3 pounds. Frank catches a fish that weighs 2.5 times as much as Tiffany's fish. How many pounds does Frank's fish weigh?

Lesson Check

14. Sue buys material to make a costume. She buys 1.75 yards of red material. She buys 1.2 times as many yards of blue material. How many yards of blue material does Sue buy?

15. Last week Juan worked 20.5 hours. This week he works 1.5 times as many hours as he did last week. How many hours does Juan work this week?

Name _____

Multiply Decimals with Zeros in the Product

Go Online
Interactive Examples

Find the product.

1. $0.07 \times 0.2 = 0.014$

$7 \times 2 = 14$

2. 0.3×0.1

3. 0.05×0.8

4. 0.08×0.3

9. $\$0.90 \times 0.1$

10. 0.02×0.3

11. 0.09×0.5

12. $\$0.05 \times 0.2$

Problem Solving Real World

13. A beaker contains 0.5 liter of a solution. Jordan uses 0.08 of the solution for an experiment. How much solution does Jordan use?

14. A certain type of nuts is on sale at $0.35 per pound. Tamara buys 0.2 pound of nuts. How much will the nuts cost?

Lesson Check

16. Liam multiplies 0.06 and 0.5. What product should he record?

17. What is the product of 0.4 and 0.09?