

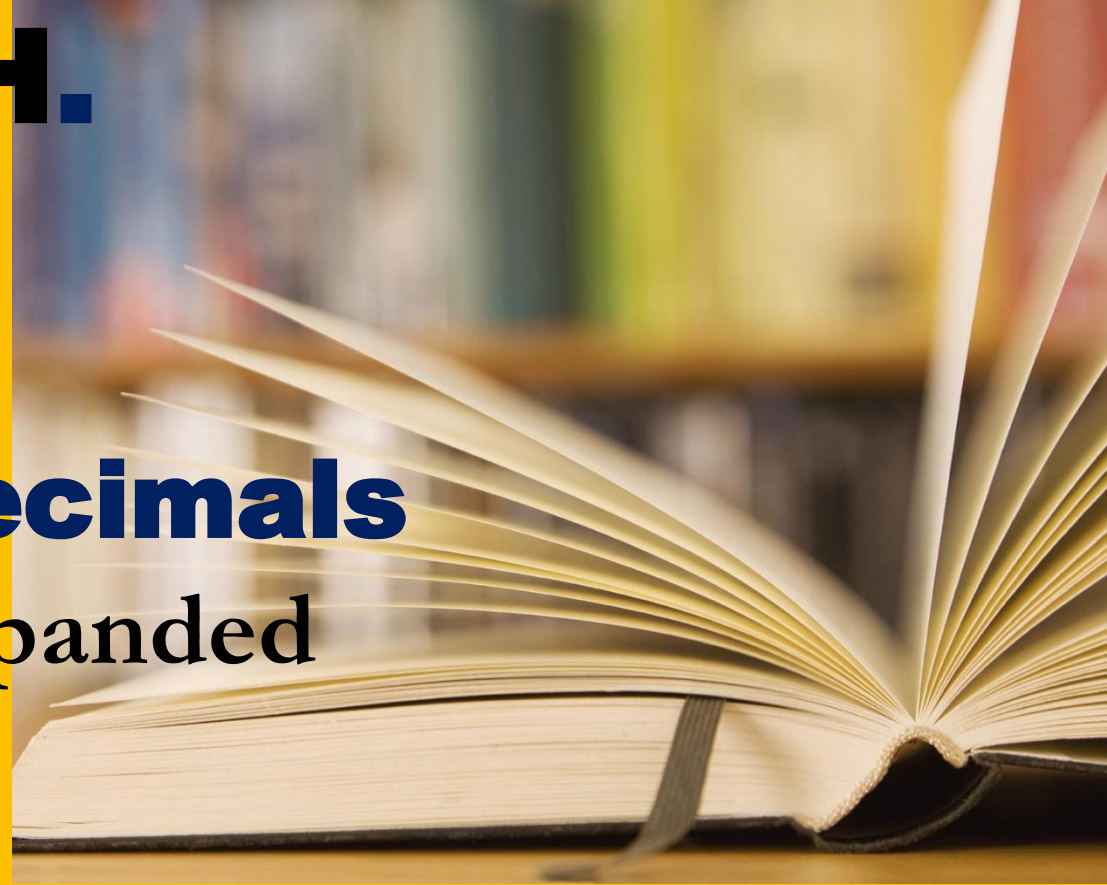


# **GRADE 5- MATH.**

**T2 ..WEEK 2**

## **CHAPTER 4: Multiply Decimals**

**L 4.4 :- Multiply Using Expanded Form**



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**OBJECTIVE: Students will use expanded form and place value to multiply a decimal and a whole number**



# STARTER

How many blocks?



7,

8,

9,

10

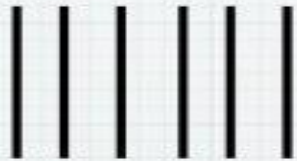




Decimal	A number with one or more digits to the right of the decimal point.
Expanded Form	A way to write a number that shows the value of each digit.
Hundredths	One of one hundred equal parts
Multiplication	The process used to find the total number of items in a given
Ones	The value of a digit in the ones position on a place value chart
Pattern	A repeating sequence that follows a rule that repeats
Place Value	The value of a digit in a number based on the location of the digit
Product	The result when you multiply two numbers
Tenths	One of ten equal parts
Thousandths	One of one thousand equal parts

Find the product. Draw a quick picture

$$3 \times 0.6 =$$





## Multiplying place value patterns

$$13 \times 6.8 =$$

Draw a model to find the product.

$$13 \times 6.8 =$$

	10	3
6	60	18
0.8	8	2.4

$$\begin{array}{r} 60 \\ 18 \\ 8 \\ + 2.4 \\ \hline 88.4 \end{array}$$





## Multiply using place value patterns

$$39 \times 4.8 =$$

Draw a model to find the product.

$$39 \times 4.8 =$$

	30	9
4	120	36
0.8	24	7.2

$$\begin{array}{r} 120 \\ 36 \\ 24 \\ + \quad 7.2 \\ \hline 187.2 \end{array}$$



## Multiplying 2-Digit Hundredths by 1-Digit Whole Numbers (A)

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

Date: \_\_\_\_\_

Calculate each product.

$$\begin{array}{r} 0.91 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 0.22 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.50 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.35 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 0.28 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 0.60 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.31 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0.85 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.17 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 0.65 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 0.38 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.57 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 0.89 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.85 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.29 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0.80 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 0.92 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.75 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.65 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 0.17 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 0.98 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 0.44 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 0.92 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 0.95 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0.29 \\ \times \quad 9 \\ \hline \end{array}$$





## Multiplying 2-Digit Hundredths by 1-Digit Whole Numbers (A) Answers

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

Date: \_\_\_\_\_

Calculate each product.

$$\begin{array}{r} 0.91 \\ \times \quad 2 \\ \hline 1.82 \end{array}$$

$$\begin{array}{r} 0.22 \\ \times \quad 4 \\ \hline 0.88 \end{array}$$

$$\begin{array}{r} 0.50 \\ \times \quad 4 \\ \hline 2.00 \end{array}$$

$$\begin{array}{r} 0.35 \\ \times \quad 8 \\ \hline 2.80 \end{array}$$

$$\begin{array}{r} 0.28 \\ \times \quad 7 \\ \hline 1.96 \end{array}$$

$$\begin{array}{r} 0.60 \\ \times \quad 4 \\ \hline 2.40 \end{array}$$

$$\begin{array}{r} 0.31 \\ \times \quad 5 \\ \hline 1.55 \end{array}$$

$$\begin{array}{r} 0.85 \\ \times \quad 9 \\ \hline 7.65 \end{array}$$

$$\begin{array}{r} 0.17 \\ \times \quad 2 \\ \hline 0.34 \end{array}$$

$$\begin{array}{r} 0.65 \\ \times \quad 6 \\ \hline 3.90 \end{array}$$

$$\begin{array}{r} 0.38 \\ \times \quad 9 \\ \hline 3.42 \end{array}$$

$$\begin{array}{r} 0.57 \\ \times \quad 8 \\ \hline 4.56 \end{array}$$

$$\begin{array}{r} 0.89 \\ \times \quad 9 \\ \hline 8.01 \end{array}$$

$$\begin{array}{r} 0.85 \\ \times \quad 9 \\ \hline 7.65 \end{array}$$

$$\begin{array}{r} 0.29 \\ \times \quad 5 \\ \hline 1.45 \end{array}$$

$$\begin{array}{r} 0.80 \\ \times \quad 2 \\ \hline 1.60 \end{array}$$

$$\begin{array}{r} 0.92 \\ \times \quad 4 \\ \hline 3.68 \end{array}$$

$$\begin{array}{r} 0.75 \\ \times \quad 9 \\ \hline 6.75 \end{array}$$

$$\begin{array}{r} 0.65 \\ \times \quad 7 \\ \hline 4.55 \end{array}$$

$$\begin{array}{r} 0.17 \\ \times \quad 7 \\ \hline 1.19 \end{array}$$

$$\begin{array}{r} 0.98 \\ \times \quad 8 \\ \hline 7.84 \end{array}$$

$$\begin{array}{r} 0.44 \\ \times \quad 3 \\ \hline 1.32 \end{array}$$

$$\begin{array}{r} 0.92 \\ \times \quad 6 \\ \hline 5.52 \end{array}$$

$$\begin{array}{r} 0.95 \\ \times \quad 5 \\ \hline 4.75 \end{array}$$

$$\begin{array}{r} 0.29 \\ \times \quad 9 \\ \hline 2.61 \end{array}$$



# PLENARY –

## Test Prep Lesson 4-4

Use your clicker to answer the following question:

13. ★ **Test Prep** A car travels 56.7 miles in an hour. If it continues at the same speed, how far will the car travel in 12 hours?
- Ⓐ 68.004 miles
  - Ⓑ 680.04 miles
  - Ⓒ 680.4 miles
  - Ⓓ 6,804 miles



## **Success Criteria:**

**Students will be able to use expanded form and place value to multiply a decimal and a whole number**

