

# MAGNIFICENT MULTIPLICATION MATH UNIT

*upper grades*



Name \_\_\_\_\_

## MULTIPLICATION MASTERPIECES


Draw a picture to solve the equation..

$5 \times 4 =$	$3 \times 7 =$
$8 \times 2 =$	$6 \times 5 =$
$8 \times 6 =$	$4 \times 10 =$



# EASY TO FOLLOW LESSON PLANS

We have created  
easy-to-follow  
lesson plans for  
each set of  
activities to make  
this unit effortless  
to teach!



**MATH LESSON**  
Multiplication Arrays

You will need:

- Multiplication Arrays Worksheets

Addition Lesson

- Tell the students that they will be doing multiplication using a special kind of picture called an **array**. Write  $3 \times 8 =$  on the board.
- Then explain that you are going to draw 3 rows with 8 in each column. Then model it for the class.

$$\begin{array}{cccccccc} X & X & X & X & X & X & X & X \\ X & X & X & X & X & X & X & X \\ X & X & X & X & X & X & X & X \end{array}$$

$3 \times 8 = 24$

\*Each column and row must have equal amounts.

- Repeat with a few more examples (you can use the worksheets as a guide if needed).
  - $6 \times 3 =$
  - $2 \times 2 =$
  - $12 \times 6 =$
- Answer any student questions. Then, have the students go back to their seats. Hand out the Multiplication Arrays worksheets and help the students as needed.

Notes:

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# A VARIETY OF ACTIVITIES

Your upper-grade students will love diving into the concept of multiplication using these fun activities including worksheets, games, and activities!

Name \_\_\_\_\_

## NUMBER LINE MULTIPLICATION!

For each problem, solve using the number line. Be sure to draw big bunny hops on the number line.

1.  $5 \times 5 =$  \_\_\_\_\_

2.  $2 \times 8 =$  \_\_\_\_\_

3.  $3 \times 6 =$  \_\_\_\_\_

4.  $6 \times 5 =$  \_\_\_\_\_

## MAT Multiplication

**You will need:**

- Multiplication number line (Multiplication Number Line Story Problem)
- Red marker & blue marker
- Crayons, markers, colored pencils

**Instructions:**

- Ask students what symbol is used for multiplication sign/times sign. Then remind them that it is called the multiplication sign.
- Draw a number line on the board with numbers below from 0-25.
- Write  $5 \times 3 =$  on the board. Circle the number 3 with a red marker. Then circle the number 5 with a blue marker. They will start on the number zero and jump in increments of 5. Tell them that they will start on the number zero and jump in increments of 5. Tell them that they will start on the number zero and jump in increments of 5. Tell them that they will start on the number zero and jump in increments of 5.
- Model it on the board.

**Notes:**

- Hand out the number line addition worksheet. Students will need materials for the activity. Stay on task and assist the students.

Name \_\_\_\_\_

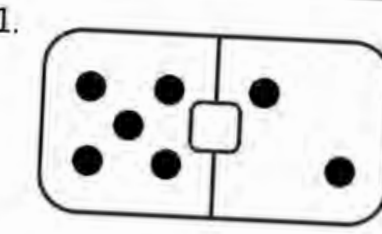
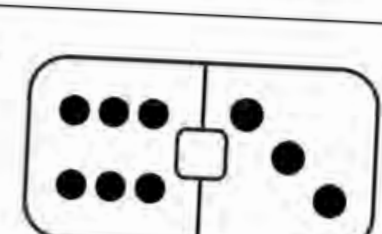
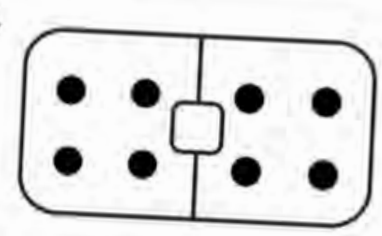
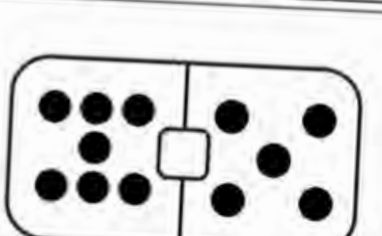
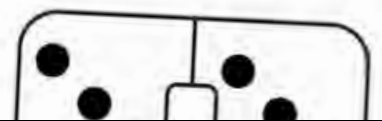

## FLUENCY PRACTICE

1. $\begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$	2. $\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$	3. $\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$
6. $\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	7. $\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$	8. $\begin{array}{r} 7 \\ \times 12 \\ \hline \end{array}$
11. $\begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$	12. $\begin{array}{r} 7 \\ \times 12 \\ \hline \end{array}$	13. $\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$
16. $\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$	17. $\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$	18. $\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$

Name \_\_\_\_\_

## MULTIPLY DOMINOES #1

Multiply the numbers on the dominoes together.

1.  $\quad \times \quad =$	2.  $\quad \times \quad =$
3.  $\quad \times \quad =$	4.  $\quad \times \quad =$
5.  $\quad \times \quad =$	6.  $\quad \times \quad =$

# MULTIPLE METHODS TO SOLVE

We have included multiple activities to teach a variety of methods to solve multiplication equations including number lines, drawing pictures, arrays, and mental math.

Name \_\_\_\_\_

## MAGIC MULTIPLICATION

Use repeated addition to solve the equations.

$4 \times 2 =$	6
$3 \times 2 =$	

Name \_\_\_\_\_

## FLUENCY

1. $\begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$	2. $\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$	
6. $\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	7. $\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$	8. $\begin{array}{r} \phantom{0} \\ \times \phantom{0} \\ \hline \end{array}$
11. $\begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$	12. $\begin{array}{r} 7 \\ \times 12 \\ \hline \end{array}$	13. $\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$
16. $\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$	17. $\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$	18. $\begin{array}{r} \phantom{0} \\ \times \phantom{0} \\ \hline \end{array}$

Name \_\_\_\_\_

## MULTIPLICATION ARRAY

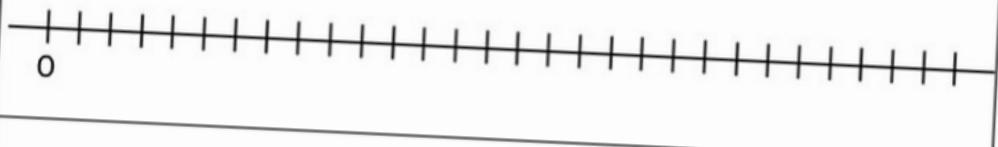
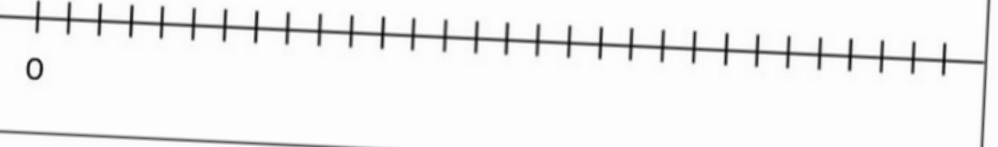
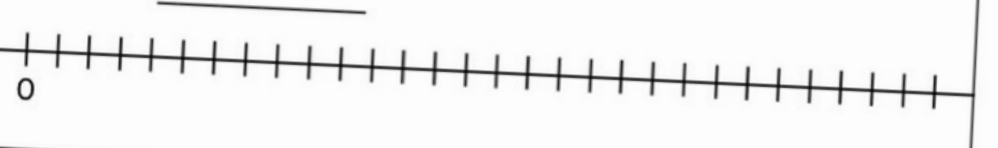
Draw an array to solve the equations.

$8 \times 2 =$	2
$1 \times 2 =$	3

Name \_\_\_\_\_

## NUMBER LINE MULTIPLICATION #1

For each problem, solve using the number line. Be sure to draw big bunny hops on the number line!

1. $5 \times 5 =$ _____

2. $2 \times 8 =$ _____

3. $3 \times 6 =$ _____


# EASY TO USE ANSWER KEYS

Each of the worksheets comes with an answer key to make checking for understanding a breeze!

**TWO-DIGIT MULTIPLICATION**  
Find the products for the problem

$74 \times 35 = 2590$	$23 \times 82 = 1886$	$11 \times 80 = 880$
$35 \times 12 = 420$	$92 \times 15 = 1380$	$7 \times 7 = 49$
$47 \times 27 = 1269$	$62 \times 22 = 1364$	
$28 \times 61 = 1708$	$12 \times 14 = 168$	

**FLUENCY**

1. $\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$	2. $\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$	
6. $\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$	7. $\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$	8. $\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$
11. $\begin{array}{r} 11 \\ \times 3 \\ \hline 33 \end{array}$	12. $\begin{array}{r} 3 \\ \times 12 \\ \hline 36 \end{array}$	13. $\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$
16. $\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$	17. $\begin{array}{r} 12 \\ \times 7 \\ \hline 84 \end{array}$	18. $\begin{array}{r} 12 \\ \times 7 \\ \hline 84 \end{array}$

**NUMBER LINE STORY PROBLEMS**

1. Garret has 3 cars that need new tires. How many tires does he need to buy?

2. Patty read 5 books. Each book had 3 pages. How many pages did she read in all?

3. Codi had 3 muffin tins with 10 muffins in each. How many muffins did she have in all?

**MAGIC MULTIPLICATION**  
Use repeated addition to solve the equation.

$4 + 4 = 8$	$6 + 6 = 12$ $12 + 6 = 18$ $18 + 6 = 24$ $24 + 6 = 30$ $30 + 6 = 36$ $36 + 6 = 42$
$4 \times 2 = 8$	$6 \times 7 = 42$
$3 + 3 = 6$	$2 + 2 = 4$ $4 + 2 = 6$ $6 + 2 = 8$ $8 + 2 = 10$
$3 \times 2 = 6$	$2 \times 5 = 10$
$6 + 6 = 12$ $12 + 6 = 18$ $18 + 6 = 24$	$8 + 8 = 16$ $16 + 8 = 24$ $24 + 8 = 32$ $48 + 8 = 56$ $56 + 8 = 64$ $64 + 8 = 72$