

# Third Grade Multiplication Activities 

Table of Contents

Description Page
Teacher's Page 1 ..... 3
Teacher's Page 2 ..... 4
3rd Grade Common Core Math Standard ..... 5
Multiplication Activity 1 - color ..... 6
Multiplication Activity 1 - b\&w ..... 7
Multiplication Activity 1 - Answer Key ..... 8
Multiplication Activity 2 - color ..... 9
Multiplication Activity 2 - b\&w ..... 10
Multiplication Activity 2 - Answer Key ..... 11
Write A Multiplication Sentence - color ..... 12
Write A Multiplication Sentence - b\&w ..... 13
Write A Multiplication Sentence - Answer Key ..... 14
Multiplication Matters Game - color ..... 15
Multiplication Matters Game - b\&w ..... 16
Multiplication Matters Game - Game Cards front ..... 17
Multiplication Matters Game - Game Cards back ..... 18
Multiplication Matters Game - Answer Key ..... 19
Hands-on Multiplication - color ..... 20
Hands-on Multiplication - b\&w. ..... 21
Multiplication Number Search Clues - color ..... 22
Multiplication Number Search Clues - b\&w ..... 23
Multiplication Number Search Clues - Answer Key ..... 24
Multiplication Number Search Grid - color ..... 25
Multiplication Number Search Grid - b\&w ..... 26
Multiplication Number Search Grid - Answer Key ..... 27

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# 3rd GRADE MULTIPLICATION ACTIVITIES ALIGNED TO COMMON CORE STANDARD 3.0A.A1 TEACHER'S PAGE 

Dear Teacher,
This teaching unit helps students to understand multiplication as a series of equal groups. All activities are presented to you in both a color and a black and white edition. The colored pages are great to laminate for center activities. The black and white copies can be easily duplicated. The activities may be used as:

- center activities

Print the colored pages and laminate them to use at your math learning center.

- directed lessons

Pages 4,7 and 10 can be used to introduce the concept of multiplication as the total number of objects in a series of equal groups.

- Interactive Partner Practice

1. Multiplication Matters Game (pp. 15-19)

Duplicate a game board (page 15 or 16) for each pair of partners. Duplicate pages 17 and 18 BACK TO BACK so that the words "word problem" "multiplication problem" or "total" show on the back of the game cards. Students separate the cards (face down) into three separate piles by category. The first partner draws any card and places it under the category of word problem, multiplication problem, or total on the game board. The second partner draws a card and places it on the board. When finished, all cards should match the answer key (p. 19)
2. Hands on Multiplication (pp. 20-21)

Duplicate at least 2 copies of either page 20 (color) or 21 (black and white) for each student. Students work with a partner. Give each pair of students a cupful of dried pinto beans, centimeter cubes, or other small manipulatives. The first partner places objects into equal groups under the first column on p. 20 (or 21). The second partner must copy the same group of manipulatives on his/her paper. Both partners copy the pattern in x's under the second column. Then they complete the multiplication sentence under the third column. After each
Problem is completed, all manipulatives go back into a pile. Partners continue working until 2 pages of practice (or more as needed) are completed.

# 3rd GRADE MULTIPLICATION ACTIVITIES ALIGNED TO COMMON CORE STANDARD 3.0A.A1 <br> TEACHER'S PAGE <br> (continued) 

- Follow up activity/check for understanding

Multiplication Number Search p. 22 (color) or 23 (B\&W) gives a wrap up activity for students to demonstrate their understanding of this common core multiplication standard.

Students complete page 22 (or 23 ) and then find the multiplication sentences for each problem on the Multiplication Number Search grid-p. 25 (color) or p. 26 (B\&W)

Best wishes, Mary Hopkins
*Check our store (click here for the link to our store) for more engaging common core activity units in the weeks to come!

## Third Grade <br> Common Core Math Standard

CCSS.Math. Content 3.OA.A. 1 Interpret products of whole numbers, e.g., interpret $5 \times 7$ as the total number of objects in 5 groups of 7 objects each.

For example, describe a context in which a total number of objects can be expressed as $5 \times 7$.






Evan and 4 friends went to the store. Each one bought 7 pencils. How many pencils in all? $5 \times 7=35$ total pencils
.. SAMPLE...
2. Mom + Dad went out to dinner. Each of them ordered 2 Kinds of vegetables each. How many Kinds of vegetables in all?

$$
-x=
$$

3. You have 3 piggy banks. Each one has 6 dimes. How many dimes in all?
$\qquad$ $=$
4. You've very hungry! You order 4 pepperoni pizzas. Each pizza has 8 slices. How many slices in all? (You better share!)

5. 5 of your friends are coming over for your birthday party. Each one brings you 3 gifts! How many gifts in all?
$\qquad$
1 Evan and 4 friends went to the store. Each 1. One bought 7 pencils. How many pencils in all? $5 \times 7=35$ total pencils
... SAMPLE...
6. Mom + Dad went out to dinner. Each of them ordered 2 Kinds of vegetables each. How many Kinds of vegetables in all?

$$
-x-=
$$

$\qquad$
3. You have 3 piggy banks. Each one has 6 dimes. How many dimes in all?

$\qquad$ $=$ $\qquad$

4. You've very hungry! You order 4 pepperoni pizzas. Each pizza has 8 slices. How many slices in all? (You better share!)

$5 x$ = $\qquad$
5. 5 of your friends are coming over for your birthday party. Each one brings you 3 gifts! How many gifts in all?
$\qquad$
$\qquad$ $=$ $\qquad$

1 Evan and 4 friends went to the store. Each 1. one bought 7 pencils. How many pencils in all? $5 \times 7=35$ total pencils
... SAMPLE...
2. Mom + Dad went out to dinner. Each of them ordered 2 Kinds of vegetables each. How many Kinds of vegetables in all?

$$
2 \times 2=4 \text { kinds of vegetables }
$$

3. You have 3 piggy banks. Each one has 6 dimes. How many dimes in all?


$$
\underline{3} \times \underline{6}=18 \text { dimes }
$$

4. You've very hungry! You order 4 pepperoni pizzas. Each pizza has 8 slices. How many slices in all? (You better share!)

$$
4 \times \frac{8}{n}=\frac{32}{\text { slices }}
$$


5. 5 of your friends are coming over for your birthday party. Each one brings you 3 gifts!
How many gifts in all? How many gifts in all?

$$
5
$$

$\qquad$

Partner Practice
Name: $\qquad$
Directions: Cut out all cards on page 15. Lay all cards face down in 3 separate piles: "Word Problems", "Multiplication Sentence", and "Total." Mix them up. First partner chooses 1 of any card and puts it under the correct heading. Second partner chooses 1 of any card and places it under the correct heading and line. Keep playing until all the cards are placed correctly on the game board. All 3 cards in each row must match the same problem.

| Word Problem | Multiplication Sentence | Total |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Partner Practice

Name: $\qquad$ Multiplication Matters Game

Directions: Cut out all cards on page 15. Lay all cards face down in 3 separate piles: "Word Problems", "Multiplication Sentence", and "Total." Mix them up. First partner chooses 1 of any card and puts it under the correct heading. Second partner chooses 1 of any card and places it under the correct heading and line. Keep playing until all the cards are placed correctly on the game board. All 3 cards in each row must match the same problem.

| Word Problem | Multiplication Sentence | Total |
| :---: | :---: | :---: |


|  |  |  |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Partner Practice <br> Multiplication Matters Game <br> Game Cards

| Word Problem | Multiplication Sentence | Total |
| :---: | :---: | :---: |
| \&) \&- |  |  |
| 7 friends are at an amusement park. Each one goes on 6 rides. How many rides total? | $12 \times 3$ | 27 |
| 12 pet rabbits are in a cage. Each one eats 3 carrots every day. <br> How many carrots total? | $4 \times 2$ | 42 |
| $\begin{aligned} & \text { 0000000 } \\ & \hline \text { 00000000 } \\ & \hline 000000 \end{aligned}$ | $3 \times 9$ | 2 |
| Our class has 3 rows of desks. 9 desks are in each row. <br> How many rows total? | $2 \times 1$ | 18 |
| $\begin{aligned} & \triangle \Delta \Delta \Delta \\ & \triangle \Delta \Delta \Delta \end{aligned}$ | $7 \times 6$ | 8 |
| On a hot day - 2 friends went to the store and bought 1 popsicle each. <br> How many popsicles total? | $3 \times 6$ | 36 |


| Total | Multiplication Sentence | Word Problem |
| :---: | :--- | :--- |


| Total | Multiplication Sentence | Word Problem |
| :---: | :---: | :---: |
| Total | Multiplication Sentence | Word Problem |
| Total | Multiplication Sentence | Word Problem |
| Total | Multiplication Sentence | Word Problem |
| Total | Multiplication Sentence | Word Problem |
| Total | Multiplication Sentence | Word Problem |

Answer Key
Name: $\qquad$

Partner Practice
Multiplication Matters Game

Directions: Cut out all cards on page $\qquad$ . Lay all cards face down in 3 separate piles: "Word Problems", "Multiplication Sentence", and "Total." Mix them up. First partner chooses 1 of any card and puts it under the correct heading. Second partner chooses 1 of any card and places it under the correct heading and line. Keep playing until all the cards are placed correctly on the game board.

| Word Problem | Multiplication Sentence | Total |
| :---: | :---: | :---: |
| 7 friends are at an amusement park. Each one goes on 6 rides. <br> How many rides total? | $7 \times 6$ | 42 |
| 12 pet rabbits are in a cage. Each one eats 3 carrots every day. <br> How many carrots total? | $12 \times 3$ | 36 |
| (000000 000000 000000 | $3 \times 6$ | 18 |
| Our class has 3 rows of desks. 9 desks are in each row. <br> How many rows total? | $3 \times 9$ | 27 |
| $\begin{aligned} & \Delta \Delta \Delta \Delta \\ & \Delta \Delta \Delta \Delta \Delta \end{aligned}$ | $4 \times 2$ | 8 |
| On a hot day - 2 friends went to the store and bought 1 popsicle each. <br> How many popsicles total? | $2 \times 1$ | 2 |

## Hands-on Multiplication

 Students work in partner pairs. Give each pair a cup full of dry pinto beans, centimeter cubes, or other small manipulatives.| Make a multiplication <br> problem. | Draw the problem with X 's. | Write the multiplication <br> sentence. |
| :--- | :--- | :--- |
|  |  | $2 \times 3=6$ |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Name: $\qquad$


## Multiplication Number Search Clues

Sample- Aiden and his 2 friends each bought 5 baseball cards.

$$
\text { How many cards in all? } \underline{3} \times \underline{5}=\underline{15}
$$

1. 


$\qquad$
$\qquad$
2. There are four 3rd grade classes at our school. Each class has 12 boys.

How many boys in all? $\qquad$ x $\qquad$ $=$
3. Six of my friends are on the Tigers baseball. Each scored 3 runs at the last game.

How many runs in all? $\qquad$ x $\qquad$ $=$

4 . Joe owns 8 cats.
How many legs are there in all? $\qquad$ x $\qquad$ $=$ $\qquad$
5. There are 7 days in one week.

How many days are there in 5 weeks? $\qquad$ x $\qquad$ = $\qquad$
6. Dad bought 3 boxes of doughnuts to take to work. Each box had 1 dozen doughnuts.

How many doughnuts in all? $\qquad$ X $\qquad$
$\qquad$
7. How many fingers are there on 8 people? $\qquad$ x $\qquad$ $=$ $\qquad$
8.

$\qquad$ x $\qquad$ $=$ $\qquad$
9. Mom baked 12 big cookies. She cut each one in half.

How many pieces of cookies? $\qquad$ x $\qquad$
$\qquad$
10. There were 11 parrots in the pet store. Each had $\qquad$ wings.

How many parrot wings in all? $\qquad$
$\qquad$ $=$ $\qquad$

# Multiplication Number Search Clues 

Sample- Aiden and his 2 friends each bought 5 baseball cards.
How many cards in all? $\underline{3} \times \underline{5}=\underline{15}$

1. OOOOOOO $\qquad$ X $\qquad$
$\qquad$
2. There are four 3rd grade classes at our school. Each class has 12 boys.

How many boys in all? $\qquad$ x $\qquad$ _
3. Six of my friends are on the Tigers baseball. Each scored 3 runs at the last game.

How many runs in all? $\qquad$ x $\qquad$ $=$

4 . Joe owns 8 cats.
How many legs are there in all? $\qquad$ x $\qquad$ $=$ $\qquad$
5. There are 7 days in one week.

How many days are there in 5 weeks? $\qquad$ X $\qquad$ $=$ $\qquad$
6. Dad bought 3 boxes of doughnuts to take to work. Each box had 1 dozen doughnuts.

How many doughnuts in all? $\qquad$ x $\qquad$ $=$ $\qquad$
7. How many fingers are there on 8 people? $\qquad$ x $\qquad$ $=$ $\qquad$
8.

$\qquad$ X $\qquad$
9. Mom baked 12 big cookies. She cut each one in half.

How many pieces of cookies? $\qquad$ x $\qquad$ $=$ $\qquad$
10. There were 11 parrots in the pet store. Each had $\qquad$ wings.

How many parrot wings in all? $\qquad$ x $\qquad$ $=$ $\qquad$

Name:

## Answer Key

## Multiplication Number Search Clues

Sample- Aiden and his 2 friends each bought 5 baseball cards.
How many cards in all? $\underline{3} \times \underline{5}=\underline{15}$ cards

1. $\frac{0000000}{0000000} \times 2 \times 14$ circles
2. There are four 3rd grade classes at our school. Each class has 12 boys.

How many boys in all? $3 \times \underline{12}=\underline{36}$ boys
3. Six of my friends are on the Tigers baseball. Each scored 3 runs at the last game.

How many runs in all? $6 \times \underline{3}=\underline{18}$ runs
4 . Joe owns 8 cats.
How many legs are there in all? $8 \times \underline{4}=\underline{32}$ legs
5. There are 7 days in one week.

How many days are there in 5 weeks? $7 \times \underline{5}=\underline{35}$ days
6. Dad bought 3 boxes of doughnuts to take to work. Each box had 1 dozen doughnuts.

How many doughnuts in all? $3 \times \underline{12}=\underline{36}$ doughnuts
7. How many fingers are there on 8 people? $8 \times \underline{10}=\underline{80}$ fingers
8.

9. Mom baked 12 big cookies. She cut each one in half.

How many pieces of cookies? $\underline{12} \times \underline{2}=\underline{24}$ pieces
10. There were 11 parrots in the pet store. Each had _2_ wings.


## Name:

## Multiplication Number Search

In the grid below find the numbers from each multiplication sentences you wrote on the "Multiplication Number Search Clue" page, then circle each series of numbers. The numbers can be vertical, horizontal, or diagonal. The sample is done for you.

| 3 | 7 | 9 | 1 | 5 | 8 | 14 | 6 | 6 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 8 | 5 | 12 | 9 | 7 | 1 | 3 | 12 | 36 |
| 25 | 4 | 4 | 35 | 18 | 52 | 7 | 32 | 16 | 4 |
| 15 | 23 | 52 | 20 | 9 | 3 | 6 | 5 | 4 | 15 |
| 17 | 5 | 11 | 2 | 22 | 17 | 3 | 31 | 3 | 2 |
| 3 | 11 | 9 | 4 | 31 | 23 | 18 | 2 | 12 | 73 |
| 8 | 10 | 80 | 2 | 4 | 17 | 10 | 3 | 1 | 2 |
| 8 | 4 | 19 | 11 | 6 | 8 | 4 | 32 | 9 | 7 |
| 33 | 63 | 4 | 12 | 48 | 3 | 5 | 19 | 8 | 14 |
| 27 | 53 | 4 | 21 | 45 | 12 | 2 | 24 | 1 | 7 |

$\qquad$

## Multiplication Number Search

In the grid below find the numbers from each multiplication sentences you wrote on the "Multiplication Number Search Clue" page, then circle each series of numbers. The numbers can be vertical, horizontal, or diagonal. The sample is done for you.

| 3 | 7 | 9 | 1 | 5 | 8 | 14 | 6 | 6 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 8 | 5 | 12 | 9 | 7 | 1 | 3 | 12 | 36 |
| $\mathbf{4} \mathbf{2}$ | 4 | 4 | 35 | 18 | 52 | 7 | 32 | 16 | 4 |
| 15 | 23 | 52 | 20 | 9 | 3 | 6 | 5 | 4 | 15 |
| 17 | 5 | 11 | 2 | 22 | 17 | 3 | 31 | 3 | 2 |
| 3 | 11 | 9 | 4 | 31 | 23 | 18 | 2 | 12 | 73 |
| 8 | 10 | 80 | 2 | 4 | 17 | 10 | 3 | 1 | 2 |
| 8 | 4 | 19 | 11 | 6 | 8 | 4 | 32 | 9 | 7 |
| 33 | 63 | 4 | 12 | 48 | 3 | 5 | 19 | 8 | 14 |
| 27 | 53 | 4 | 21 | 45 | 12 | 2 | 24 | 1 | 7 |

## Answer Key

## Multiplication Number Search

In the grid below find the numbers from each multiplication sentences you wrote on the "Multiplication Number Search Clue" page, then circle each series of numbers. The numbers can be vertical, horizontal, or diagonal. The sample is done for you.

| 3 |  |  | 1 | 5 | 8 | 14 | 6 | 6 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (3) | 8 | 5 | 12 | 9 | 7 | 1 | 3 | 12 | 36 |
| 這5 | 4 | 4 | 35 | 18 | 52 | 7 | 32 | 16 | 4 |
| (15) | 23 | 52 | 20 | 9 | 3 | 6 | 5 | 4 | 15 |
| 17 | 5 | 11 | 2 | 22 | 17 | 3 | 31 | 3 | 2 |
| 3 | 11 | 9 | 4 | 31 | 23 | 18 | 2 | 12 | 73 |
| 8 | 10 | 80 | 2 | 4 | 17 | 10 | 3 | 1 | 2 |
| 8 | 4 | 19 | 11 | 6 | 8 | 4 | 32) | 9 | 7 |
| 33 | 63 | 4 | 12 | 48 | 3 | 5 | 19 | 8 | 14 |
| 27 | 53 | 4 | 21 | 45 | 12 | 2 | 24 | 1 | 7 |

Down
Months

## * Months

September
October
November
December
January
February
March
April

June

# $\star$ USA States 

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