

Third Grade Multiplication Activities

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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 TEACHER'S PAGE (continued)

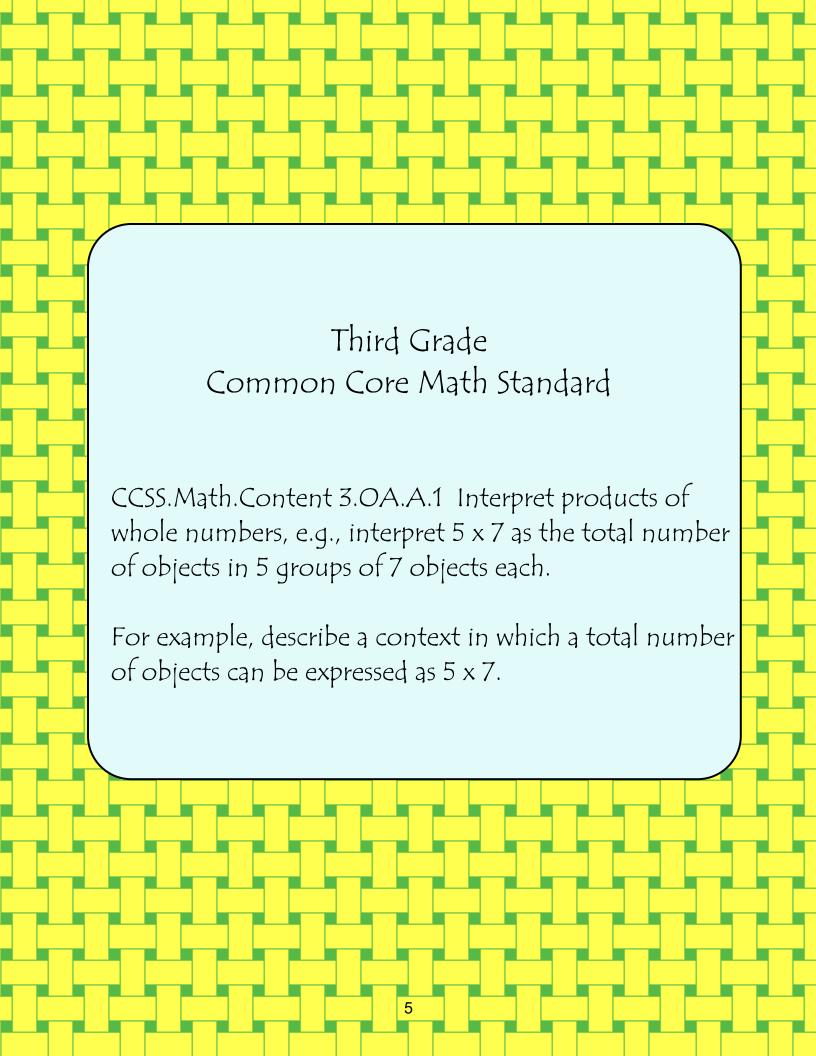
Follow up activity/check for understanding

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!



SAMPLE



2 groups of apples 4 apples in each group 2 x 4 = 8 total apples

Name: _



- groups of leaves

_ Teaves in each group

_x _= _ total leaves



2



- groups of hearts - hearts in each group

_x _= _ total hearts







_ groups of faces

— faces in each group

_x _= _ total faces,







- groups of cats

_ cats in each group

-x = total cats



8× 8× 8× 5.

8 8 8 8

-group of scissors

_ Scissors in each group

- X = _ total scissors

SAMPLE

0000

2 groups of apples 4 apples in each group 2 x 4 = 8 total apples

Name:

ada

ode

00

_ groups of leaves

_ Teaves in each group

_x _= _ total leaves

SONOW

99999 Z.

\$ \$ \$ \$ \$ \$ \$ \$

- groups of hearts

_ hearts in each group

_x _= _ total hearts

(00000 3.

0000

0000

_ groups of faces

— faces in each group

_x _= _ total faces,

0004.

(C) (C) (C)

- groups of cats

_ cats in each group

- x _ = __ total cats

8 8 8 8

8× 8× 8× 5.

8×8×8×

-group of scissors

_ Scissors in each group

_ X _ = _ total scissors

SAMPLE

2 groups of apples 4 apples in each group 2 x 4 = 8 total apples

Name: Answer Key



 $\frac{3}{3}$ groups of leaves $\frac{3}{3}$ leaves in each group $\frac{3}{3} \times \frac{3}{3} = 9$ total leaves

Q Q Q Q Q

 $\frac{3}{5}$ groups of hearts $\frac{5}{3}$ hearts in each group $\frac{3}{3} \times \frac{5}{5} = \frac{15}{5}$ to tal hearts 10000 00000 3.

4 groups of faces
4 faces in each group

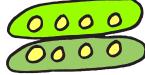
4 x 4 = 16 total faces

 $\frac{4}{3}$ groups of cats $\frac{3}{4}$ cats in each group $\frac{4}{4} \times \frac{3}{3} = 12$ total cats 8 8 8 8 5. 8 8 8 8 5. 8 8 8 8 8 9 5.

3 group of scissors
4 scissors in each group
3 x 4 = 12 total scissors

Name:			
			_

Draw 2 groups
of 4 circles and
Write a multiplication
sentence to go with it.



2 × 4 = 8 total

· SAMPLE....

Draw 5 groups of 1 3 circles and 1. write a multiplication sentence.

Draw 6 groups of 2 hearts

Draw 3 groups of 8 squares...

Draw 4 groups of 5 stars

×_ =_

Draw 2 groups 5.

www.readysets.com Mary Hopkins - author

Name:		
manic.		

Draw 2 groups
of 4 circles and
Write a multiplication
sentence to go with it.



2 × 4 = 8 total

· SAMPLE....

Draw 5 groups of 1 3 circles and 1. write a multiplication sentence.

-×-=-

Draw 6 groups of 2 hearts

Draw 3 groups of 8 squares...

Draw 4 groups of 5 stars

X

4.

~ X_ =_

Draw 2 groups 5.

- × - -

Draw 2 groups
of 4 circles and
Write a multiplication
sentence to go with it.

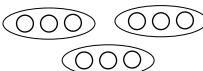


2 × 4 = 8 total

· SAMPLE ...

Draw 5 groups of 1 3 circles and 1. write a multiplication sentence.





$$5 \times 3 = 15$$

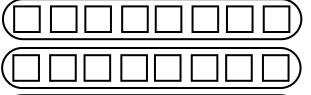
Draw 6 groups of 2 hearts





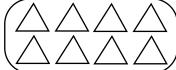


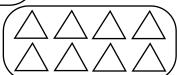
Draw 3 groups of 8 squares...



$$4 \times 5 = 20$$

Oraw 2 groups
of 8 triangles





Evan and 4 friends went to the store. Each
one bought 7 pencils. How many pencils in all?

5x7 = 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?





4. You've very hungry! You order 4 pepperonipizzas.

Each pizza has 8 slices. How many slices in all?

(You better share!)

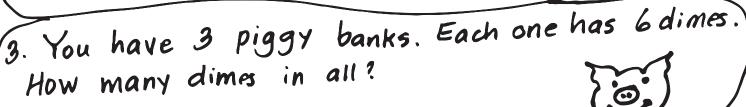


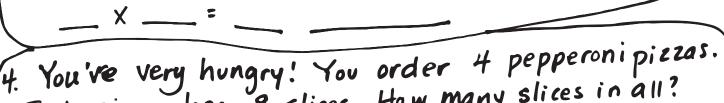
Evan and 4 friends went to the store. Each -. one bought 7 pencils. How many pencils in all? 5x7=35 total pencils ... SAMPLE...



2. Mom + Dad Went out to dinner. Each of them ordered 2 Kinds of vegetables each. How many Kinds of vegetables in all?







Each pizza has & 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?

Fran and 4 friends went to the store. Each
one bought 7 pencils. How many pencils in all?

5x7 = 35 total pencils ... SAMPLE...



- 2. Mom + Nad Went out to dinner. Each of them ordered 2 Kinds of vegetables each. How many Kinds of vegetables in all?
 - $2 \times 2 = 4$ kinds of vegetables
- 3. You have 3 piggy banks. Each one has 6 dimes.
 How many dimes in all?
 - $3 \times 6 = 18$ 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 x 8 = 32 slices
- 5. 5 of your friends are coming over for your birthday party. Each one brings you 3 gifts! How many gifts in all?
 - $5 \times 3 = 15$ gifts

	Name:		er Practice on Matters Game			
F	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			

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 Multiplication Matters Game

Partner Practice Multiplication Matters Game Game Cards

	Word Problem	Multiplication Sentence	Total
	3	<u>-</u>	_
	7 friends are at an amusement park. Each one goes on 6 rides. How many rides total?	12 x 3	27
J.	12 pet rabbits are in a cage. Each one eats 3 carrots every day. How many carrots total?	4 x 2	42
<i>y</i>	\text{\QQQQQQ} \text{\QQQQQQQ} \text{\QQQQQQQ} \text{\QQQQQQQ} \text{\QQQQQQQ} \text{\QQQQQQQQ} \text{\QQQQQQQQ} \text{\QQQQQQQQ} \text{\QQQQQQQQ} \text{\QQQQQQQQQ} \text{\QQQQQQQQQ} \text{\QQQQQQQQQQQ} \QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ	3 x 9	2
8	Our class has 3 rows of desks. 9 desks are in each row. How many rows total?	2 x 1	18
<i>y</i>		7 x 6	8
of the second se	On a hot day - 2 friends went to the store and bought 1 popsicle each. How many popsicles total?	3 x 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: note - order of answers will vary

Partner Practice Multiplication Matters Game

Directions: Cut out all cards on page __. 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. How many rides total?	7 x 6	42
12 pet rabbits are in a cage. Each one eats 3 carrots every day. How many carrots total?	12 x 3	36
$\begin{array}{c} \bigcirc \Diamond \Diamond \Diamond \Diamond \Diamond \Diamond \Diamond \Diamond \\ \bigcirc \Diamond \Diamond \Diamond \Diamond \Diamond \Diamond \Diamond \Diamond \\ \hline \bigcirc \Diamond \Diamond \Diamond \Diamond \Diamond \Diamond \Diamond \\ \hline \end{array}$	3 x 6	18
Our class has 3 rows of desks. 9 desks are in each row. How many rows total?	3 x 9	27
	4 x 2	8
On a hot day - 2 friends went to the store and bought 1 popsicle each. How many popsicles total?	2 x 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 problem. X X X X X X X X X X X X X X X X X			
	problem.	$(X \ X \ X)$	sentence.
1 1			



Hands-on Multiplication



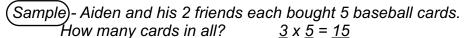
Students work in partner pairs.

Give each pair a cup full of dry pinto beans, centimeter cubes, or other small manipulatives.

Make a multiplication problem.	Draw the problem with X's. X X X X X X	Write the multiplication sentence. 2 x 3 = 6

Name: _____

Multiplication Number Search Clues



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

How many boys in all? ___ x ___ = ___

3. Six of my friends are on the Tigers baseball. Each scored 3 runs at the last game.

How many runs in all? ___ x ___ = ___

4. Joe owns 8 cats.

How many legs are there in all? ___ x ___ = ___

5. There are 7 days in one week.

How many days are there in 5 weeks? ___ x ___ = ___

6. Dad bought 3 boxes of doughnuts to take to work. Each box had 1 dozen doughnuts.

How many doughnuts in all? ___ x ___ = ___

7. How many fingers are there on 8 people? ___ x ___ = ___

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

How many pieces of cookies? ___ x ___ = ___

10. There were 11 parrots in the pet store. Each had ____ wings.

How many parrot wings in all? ___ x ___ = ___

Name: ____

Multiplication Number Search Clues

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

How many cards in all? $3 \times 5 = 15$

$$3 \times 5 = 15$$

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

How many boys in all? x =

3. Six of my friends are on the Tigers baseball. Each scored 3 runs at the last game.

How many runs in all? ___ x ___ = ___

4. Joe owns 8 cats.

How many legs are there in all? x =

5. There are 7 days in one week.

How many days are there in 5 weeks? ___ x ___ = ___

6. Dad bought 3 boxes of doughnuts to take to work. Each box had 1 dozen doughnuts.

How many doughnuts in all? ___ x ___ = ___

7. How many fingers are there on 8 people? ___ x ___ = ___



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

How many pieces of cookies? ___ x ___ = ___

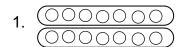
10. There were 11 parrots in the pet store. Each had wings.

How many parrot wings in all? ___ x ___ = ___

Name: Answer Key

Multiplication Number Search Clues

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



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

How many boys in all? $3 \times 12 = 36$ boys

3. Six of my friends are on the Tigers baseball. Each scored 3 runs at the last game.

How many runs in all? $6 \times 3 = 18 \text{ runs}$

4. Joe owns 8 cats.

How many legs are there in all? $8 \times 4 = 32$ legs

5. There are 7 days in one week.

How many days are there in 5 weeks? $7 \times 5 = 35$ days

6. Dad bought 3 boxes of doughnuts to take to work. Each box had 1 dozen doughnuts.

How many doughnuts in all? $3 \times 12 = 36$ doughnuts

7. How many fingers are there on 8 people? $8 \times 10 = 80$ fingers

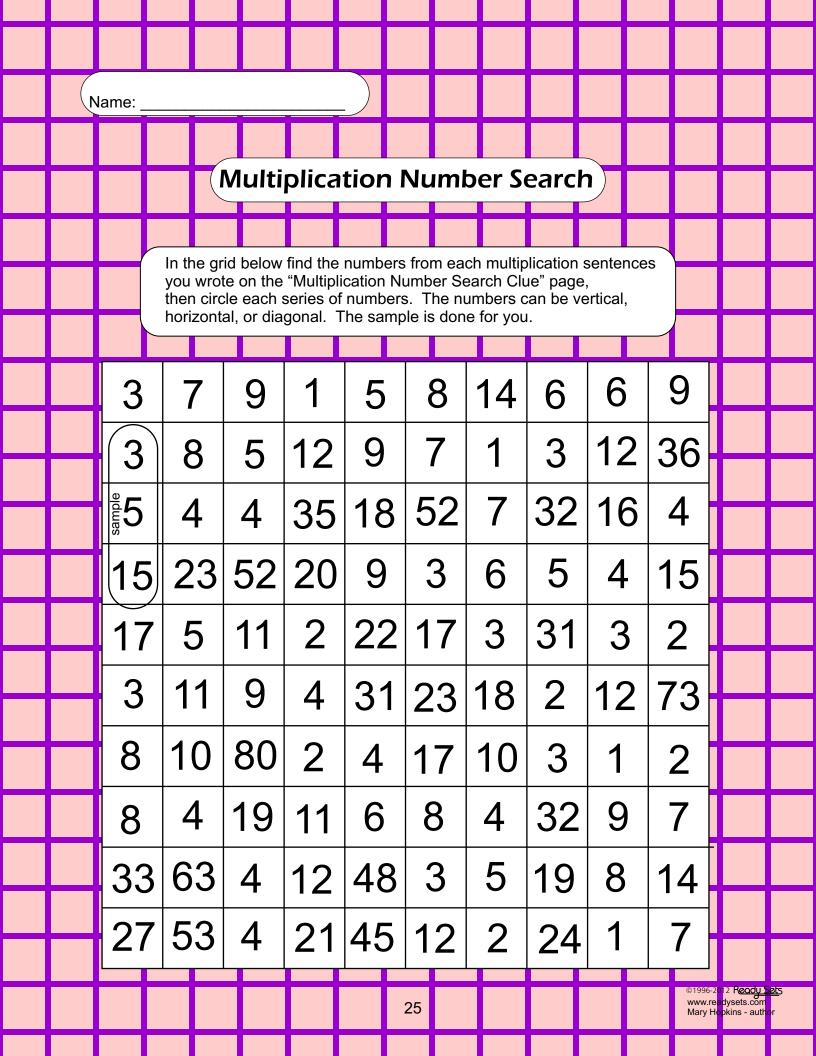
<u>4</u> x <u>3</u> = <u>12</u> hearts

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

How many pieces of cookies? $12 \times 2 = 24$ pieces

10. There were 11 parrots in the pet store. Each had 2 wings.

How many parrot wings in all? $\underline{11} \times \underline{2} = \underline{22}$ wings



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
samble 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	တ	4	31	23	18	2	12	73
8	10	80	2	4	17	10	თ	1	2
8	4	19	11	6	80	4	32	9	7
33	63	4	12	48	3	5	19	8	14
27	53	4	21	45	12	2	24	1	7

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)
samble	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	თ	1	2
8	4	19	11	6	$ \infty $	4	32	9	7
33	63	4	12	48	3	5	19	8	14
27	53	4	21	45	12	2	24)	1	7



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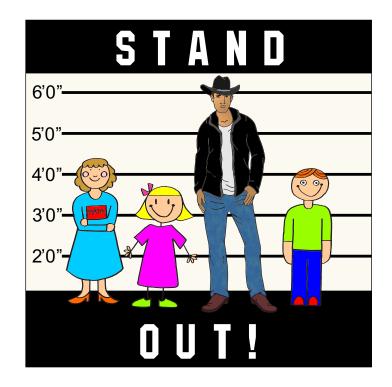
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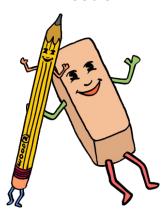
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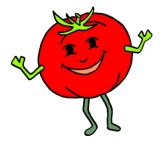
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