MULTIPLICATION
ARRAYS

Multiplication with Arrays

ROW COLUMN

$2 \times 3 = 6$

$4 \times 6 = 24$

Definition:
An arrangement of objects, pictures, or numbers in columns and rows is called an

Your classroom has 2 rows of desks. Each row contains 6 desks. How many desks are in the entire classroom?
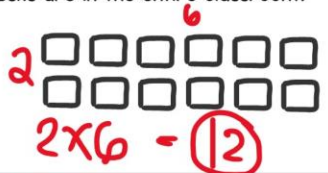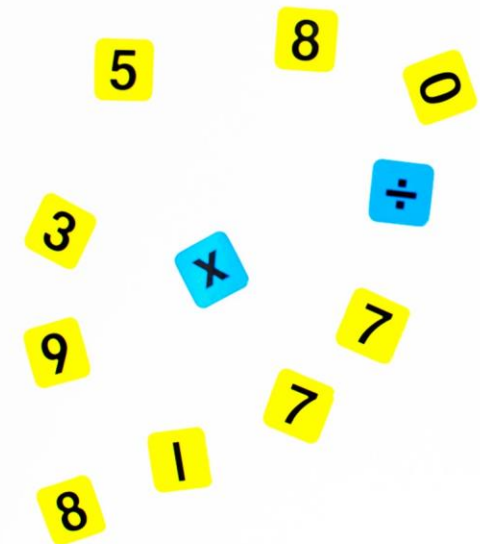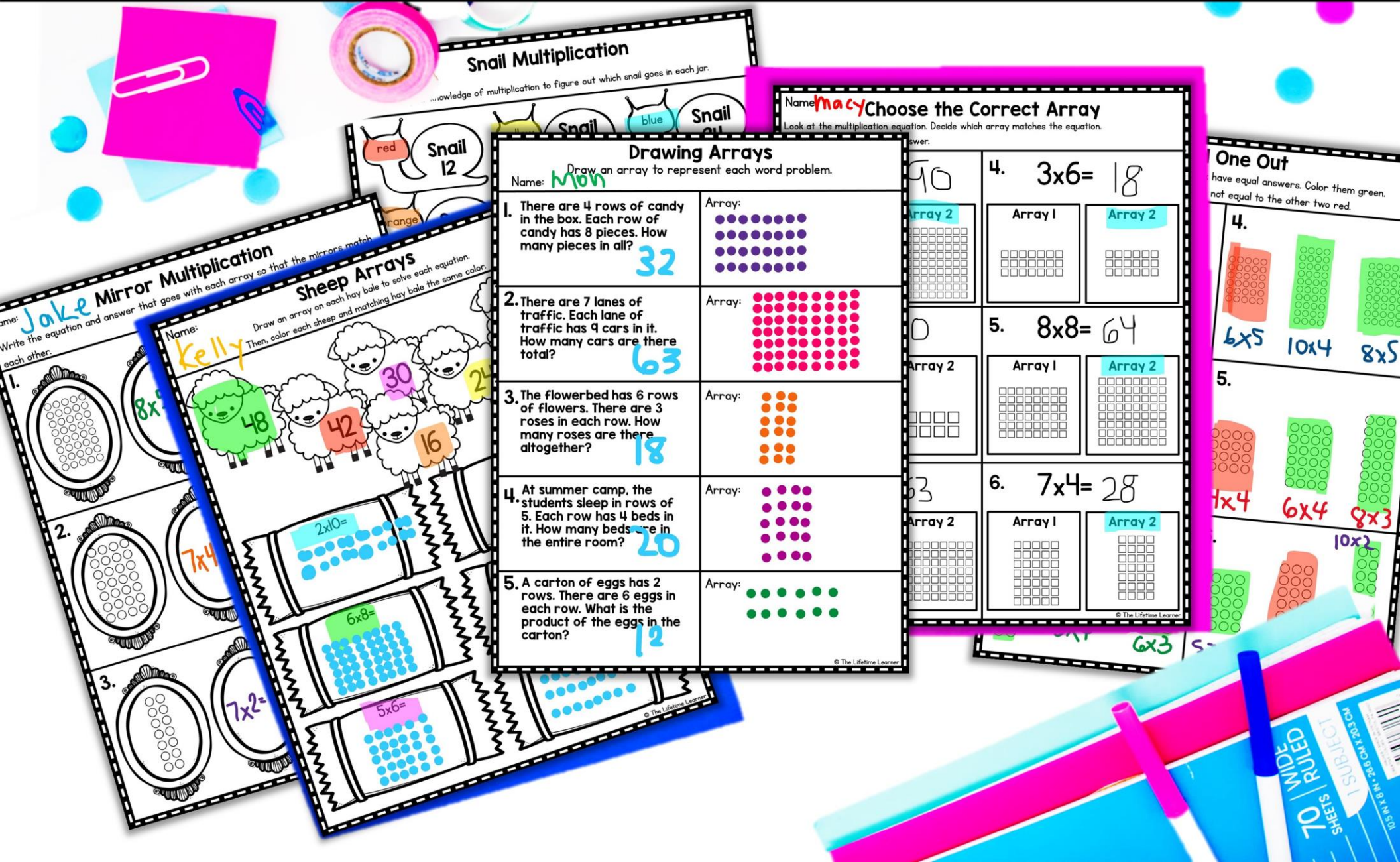
$2 \times 6 = 12$

$5 \times 6 =$
$5 \times 9 =$
$5 \times 12 =$
$5 \times 3 =$

#12

$9 \times 11 =$
$9 \times 7 =$
$9 \times 3 =$
$9 \times 2 =$

#11

6×1 6

48   6×8

6×3 18

36   6×6

Write a multiplication equation and solve.

#4

Choose the Correct

Name: Macy

1. $9 \times 10 = 90$

2. $2 \times 5 = 10$

Array 1   Array 2

Name: Kelly

48

1.

Array 1   Array 2

2. $2 \times 5 = 10$

3. $7 \times 9 = 63$

Write the Equation

Write the multiplication equation that represents each arr
Name: Dave

1. $2 \times 4 = 8$ 6. 10×10

2. $7 \times 10 = 70$ 7. $6 \times 9 =$

3. $4 \times 3 = 12$ 8. $4 \times$

4. $8 \times 9 = 72$ 9. $2 \times 2 =$

5.   10. 3×6

- ✓ GAMES
- ✓ ACTIVITIES
- ✓ WORKSHEETS

THE LIFETIME LEARNER

MINI LESSON

Multiplication with Arrays

ROW COLUMN

3

2

$2 \times 3 = 6$

6

4

$4 \times 6 = 24$

Definition:

An arrangement of objects, pictures, or numbers in columns and rows is called an array.

Your classroom has 2 rows of desks. Each row contains 6 desks. How many desks are in the entire classroom?

6

2

$2 \times 6 = 12$

10 WORKSHEETS

Snail Multiplication
knowledge of multiplication to figure out which snail goes in each jar.

Snail
blue
Snail
red Snail 12
orange

Choose the Correct Array
Name: **macy**
Look at the multiplication equation. Decide which array matches the equation.
answer.

90

Array 2

Array 1 | Array 2

4. $3 \times 6 = 18$
Array 1 | Array 2

5. $8 \times 8 = 64$
Array 1 | Array 2

63

Array 2

6. $7 \times 4 = 28$
Array 1 | Array 2

One Out
have equal answers. Color them green.
not equal to the other two red.

4.
6×5 10×4 8×5

5.
$\times 4$ 6×4 8×3
10×2

6×3 5

Drawing Arrays
Name: **Mon**
Draw an array to represent each word problem.

1. There are 4 rows of candy in the box. Each row of candy has 8 pieces. How many pieces in all? **32**
   Array:

2. There are 7 lanes of traffic. Each lane of traffic has 9 cars in it. How many cars are there total? **63**
   Array:

3. The flowerbed has 6 rows of flowers. There are 3 roses in each row. How many roses are there altogether? **18**
   Array:

4. At summer camp, the students sleep in rows of 5. Each row has 4 beds in it. How many beds are in the entire room? **20**
   Array:

5. A carton of eggs has 2 rows. There are 6 eggs in each row. What is the product of the eggs in the carton? **12**
   Array:

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Mirror Multiplication
Name: **Jake**
Write the equation and answer that goes with each array so that the mirrors match
each other.

1. $8 \times$
2. 7×4
3. $7 \times 2 =$

Sheep Arrays
Name: **Kelly**
Draw an array on each hay bale to solve each equation.
Then, color each sheep and matching hay bale the same color.

48   30   24
42   16

$2 \times 10 =$
$6 \times 8 =$
$5 \times 6 =$

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WIDE RULED
1 SUBJECT
70 SHEETS
10.5 IN x 8 IN · 26.6 CM x 20.3 CM

TASK CARDS

24 emoji-themed task cards

RECORDING SHEET

Emoji Multiplication: Arrays

#1	#2	#3	#4
#5	#6	#7	#8 4x3=12
#9	#10	#11	#12
#13	#14	#15	#16
#17	#18	#19	#20
#21	#22	#23	#24
#25	#26	#27	#28

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Arrays

4x3=12
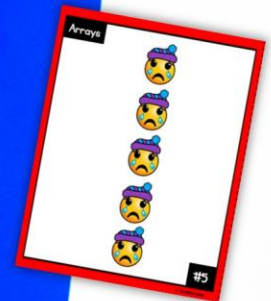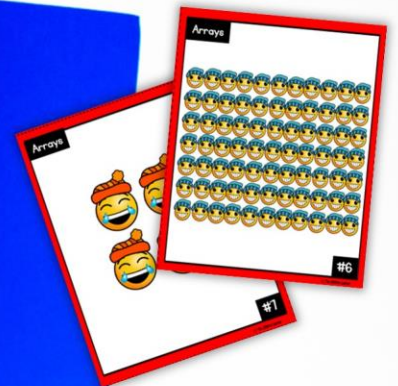
CUT & PASTE ACTIVITIES

Students match up each family with the house they belong in.

The Array Neighborhood!

There are the same number of floors as there are rooms on each floor where Charlotte and her dad live.

Bella and her baby live on the top floor (3rd floor) of the building. They are the fifth and last door on the hall.

Aliyah lives in a building with 6 floors and 4 apartments on each floor.

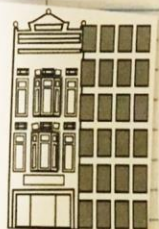Maria owns a beautiful two-story home. There are 7 rooms on each floor.

Carlos invites people over all the time since there are 42 rooms in his house!

Jake 5 floors in his house. Each floor has 10 bedrooms!

Donna and her daughter rent a one story house. BUT it does have six rooms!

Ling has to walk up 3 sets of stairs to get to her bedroom. She has to walk past 8 doors before she reaches her room each evening!
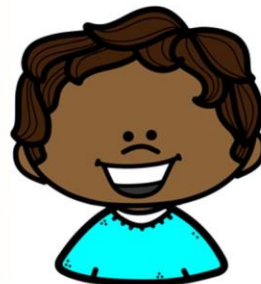
ERROR ANALYSIS

Students decide if each kid solved the problem correctly or incorrectly.
They explain their thinking at the bottom.

4 PAGES

Directions: Read the problem below and look at the work the student did. Decide if the work is correct or not.

Solve 1x9.

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

The student says:
I drew a 1 by 9 array. When you count all of the squares, it equals 10. The answer is 10.

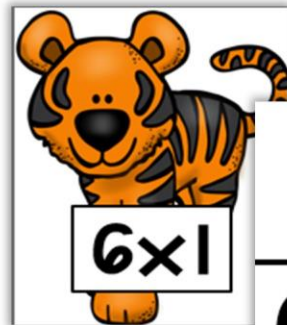Explain if they are right or wrong. Put a check or X on their work.

This student accidentally drew a 1x10 array instead of a 1x9. The correct array would be 9 squares in a row, which means the answer is 9.

ARRAY PUZZLES

Students put together 9 different puzzles using their array skills.
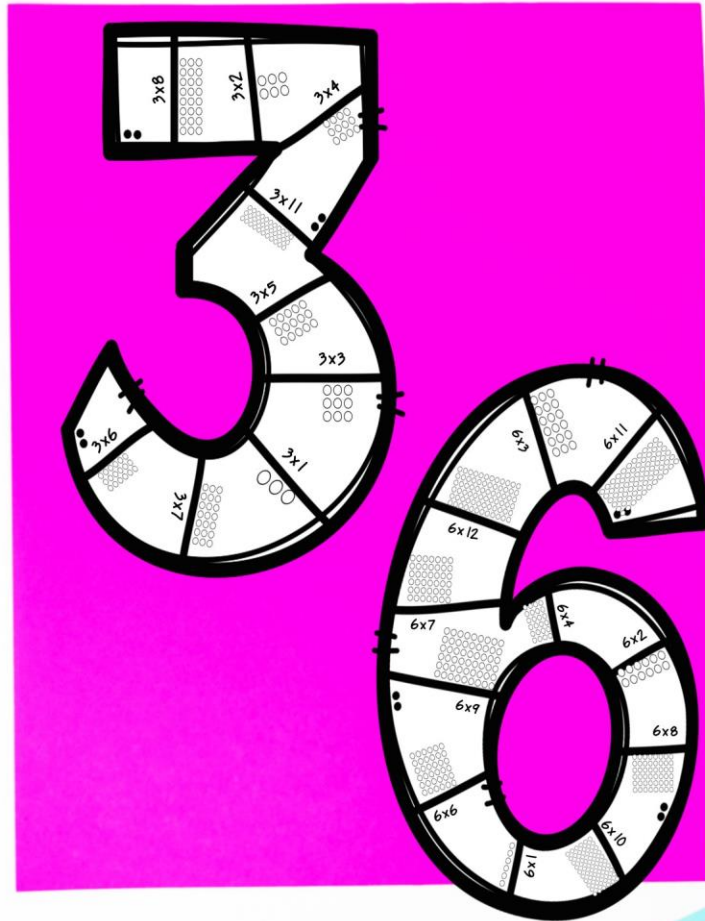
GAME #1

Students match up each mom animal with the correct baby animal.

6×1

6

6×8

48

6×3

18

36

6×6

GAME #2

FOR 2-4 PLAYERS

HOW TO PLAY:

1. All players receive a game mat.
2. Students answer a question card.
3. If they are correct, they earn an item.
4. The first person to earn 10 items wins.
5. Chance cards included to spice up gameplay.

My Volleyball Court

To win, you must have 10 items in your volleyball court.

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Chance Card!

Chance Card!

Chance Card!

Take 1 piece from the middle.

Take a piece from the middle and give it to another player.

Write a multiplication equation and solve.

Write a multiplication equation and solve.

Write a multiplication equation and solve.

Write a multiplication equation and solve.

#4 ☐ * ☐

#2 2 * 3 = 6

#3 ☐ * ☐ = ☐

☐ = ☐

GAME #3

the perfect game to play with the whole class

$9 \times 11 =$
$9 \times 7 =$
$9 \times 3 =$
$9 \times 2 =$

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#11

$2 \times 9 =$
$2 \times 4 =$
$2 \times 6 =$
$2 \times 2 =$

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#10

$4 \times 2 =$
$4 \times 7 =$
$4 \times 12 =$
$4 \times 5 =$

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#8

HOW TO PLAY:

1. Students answer task cards.
2. If they get it right, they drop it in the bucket.
3. Students play for a set amount of time.
4. At the end of gameplay, the teacher draws task cards out of the bucket.
5. Any student whose task card gets pulled out gets a small prize.
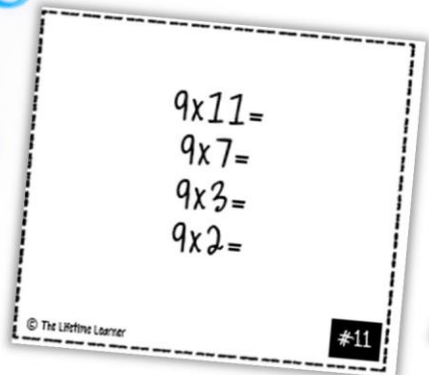
Click the bucket to see this game in action.

$5 \times 6 =$
$5 \times 9 =$
$5 \times 12 =$
$5 \times 3 =$

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#12

GAME #4

Crayon Scramble!
6x6

Crayon Scramble!

Crayon Scramble!

Crayon Scramble!
8x3

Crayon Scramble!
9x2

Crayon Scramble!
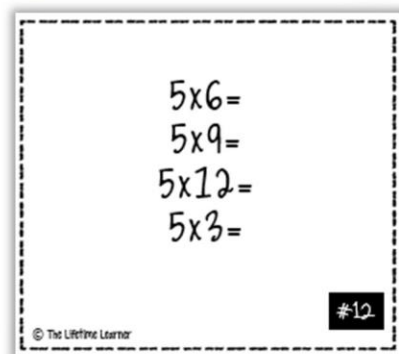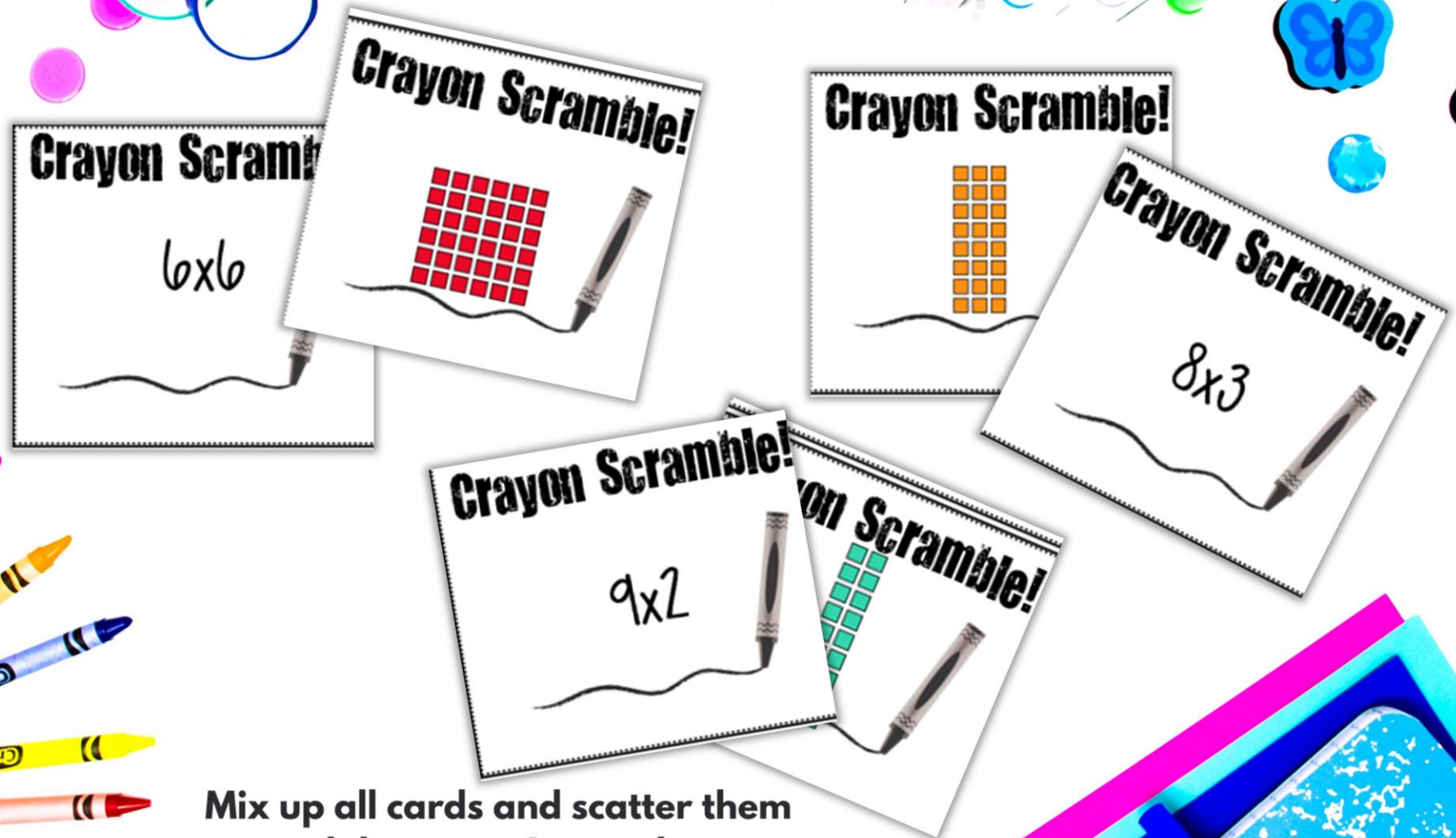
Mix up all cards and scatter them around the room. Let students race to find as many matches as they can in a 5 minute period.

BUY THE BUNDLE AND SAVE BIG!

3RD GRADE
MATH BUNDLE

7000+ PAGES

GAMES

ACTIVITIES

WORKSHEETS

YOU MAY ALSO LIKE:

CIRCUS day
multiplication strategies
3.OA.1
EDITABLE
3rd GRADE
By: The Lifetime Learner
ROOM TRANSFORMATION

LET'S GO camping
division strategies
3.OA.2
CAMPSITE AHEAD
EDITABLE
3rd GRADE
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ROOM TRANSFORMATION

ICE CREAM shop
MULTIPLICATION & DIVISION strategies
POPSICLE
Uh oh! It looks like each popsicle was broken in half...

ICE CREAM CONE
I have 15 ice cream cones. I have an equal amount of chocolate, vanilla, blueberry, and ... much of each do I have? Color the ice cream correctly.

FROZEN YOGURT
Fill in the missing parts of the chart below about how customers split their frozen yogurt at the ...

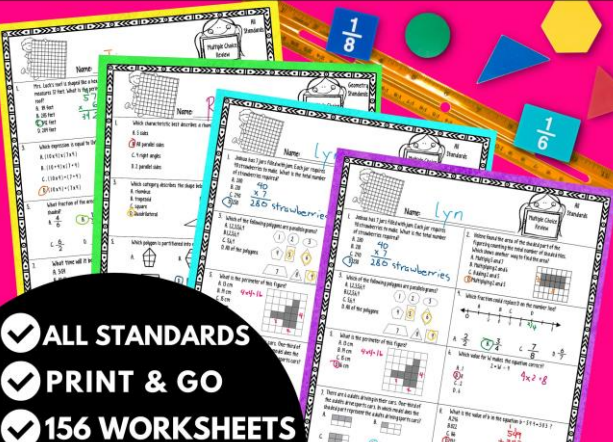| How the Customers Split the Frozen Yogurt	Equation
10 cups split between 3 people	12÷3=4
10 cups split ...	

EDITABLE
3rd GRADE
By: The Lifetime Learner
ROOM TRANSFORMATION

3RD GRADE WORKSHEET BUNDLE
- ✓ ALL STANDARDS
- ✓ PRINT & GO
- ✓ 156 WORKSHEETS

GRAB IT!
29 MATH GAMES
3RD GRADE

GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!
50	9	0	4	50	9	0	4	50
7	24	15	6	7	24	15	48	7
81	3	18	48	81	3	18	6	81

GRAB IT!
_ ÷ 3 = 2

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3RD GRADE BUNDLE TASK CARDS
CHOOSE A SIDE
750 757 760
WRITE THE EQUATION
EQUAL ICE CREAM
SORT IT!
STORE
10 ÷ 5 =
REAL LIFE PERIMETER
MULTIPLE CHOICE
24 in
- ✓ DIGITAL
- ✓ PRINTABLE
- ✓ 166 GAMES

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