Weekly Math Assignments

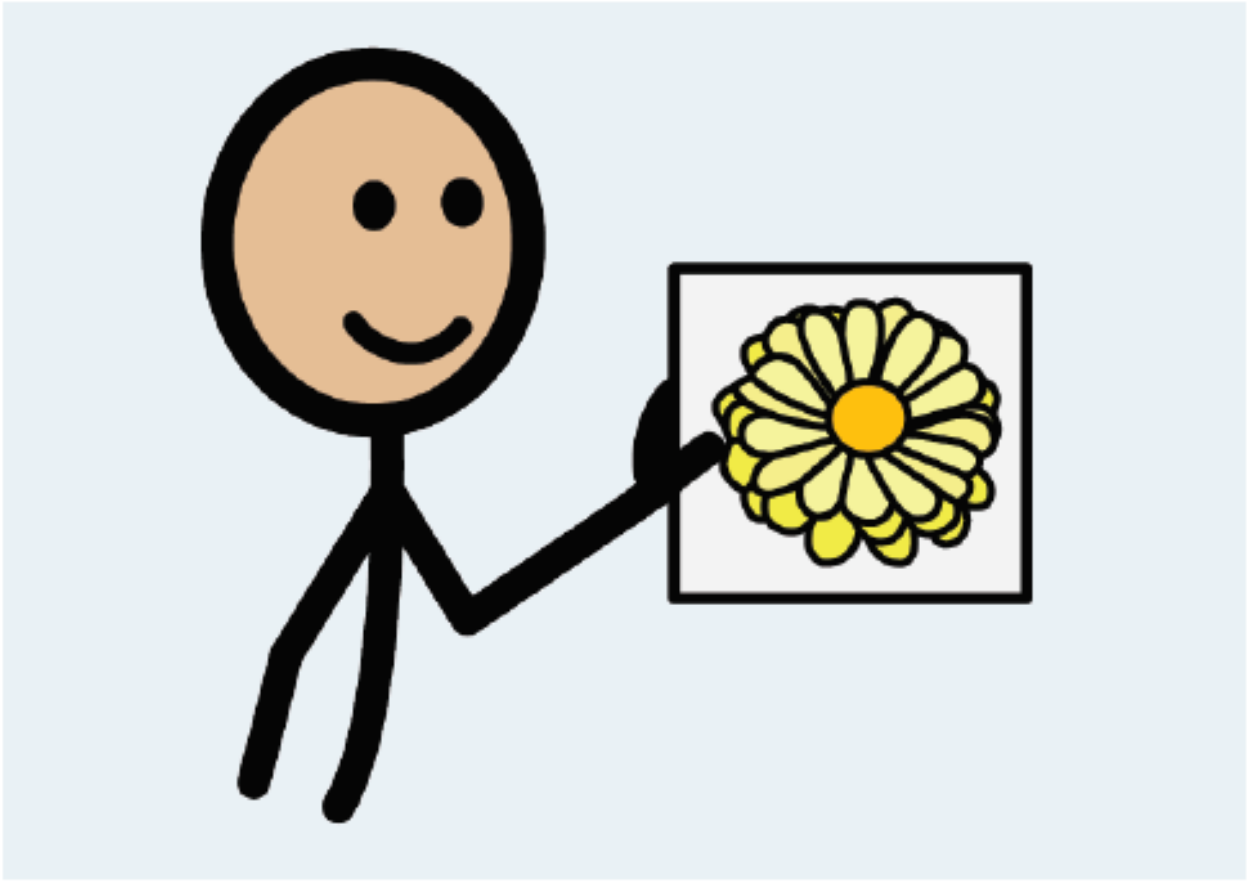
Grades 3-5

Packet #2

Math

Interpret Products of Whole Numbers

Dimension A Lesson 2: Introduction



Common Core Content Activities

By Erica Price and Christina Willoughby

Price and Willoughby, LLC dba SpecialEdSimplified

Dim A

Introduction

Hello,
my name is Josie. I am going to help you learn about addition and multiplication.

My name is Jake. I will be helping Josie!

Definition: Addition

To add something to something else.

Example: Addition

$$5 + 4 = 9$$

$$4 + 4 + 4 + 4 = 16$$

1. What does addition mean?

to add numbers	to take away numbers	to make a number smaller
1 2 3 4	1 2 3 4 5 6 7 8 9 0	

Student response mode: ___ point ___ look ___ other

And The WORD Up **Definition:** Multiplication

To multiply is to make the number bigger. It is also repeated addition.

$2 + 2 + 2 + 2 = 8$

4

$4 \times 2 = 8$

Example: Multiplication

$3 \times 2 = 6$

$4 \times 3 = 12$

2. What does multiplication mean?

it is repeated subtraction	it is repeated addition	making a number smaller
$\begin{array}{r} 2 \\ -\ 1 \\ \hline 1 \end{array}$ $\begin{array}{r} 2 \\ -\ 1 \\ \hline 1 \end{array}$	1+1=2	

Student response mode: ___ point ___ look ___ other

3. Write the multiplication problem for the addition problem below. 	
3 + 3 + 3 + 3 + 3	
5 + 5	
2 + 2 + 2 + 2	
9 + 9 + 9 + 9 + 9	
4 + 4 + 4 + 4	
8 + 8 + 8	
Student response mode: ___ point ___ look ___ other	

And It The WORD Up **Definition:** Product

The answer you get when you multiply numbers.

=

Example: Product

$3 \times 2 = 6$
$1 \times 3 = 3$
$4 \times 2 = 8$
$3 \times 3 = 9$

← Products

4. What is a product?

the answer you get when you add numbers	the answer you get when you multiply numbers	the answer you get when you subtract numbers
+	X	−

Student response mode: ___ point ___ look ___ other

And It The WORD Up **Definition:** Whole Numbers

Whole numbers are numbers like 0,1,2,3,4,5,6... These numbers never look like 1/2, 0.5 or -3.	1 2 3 4 5 6 7 8 9 0

5. Circle the whole number below.

-2	0.7	5

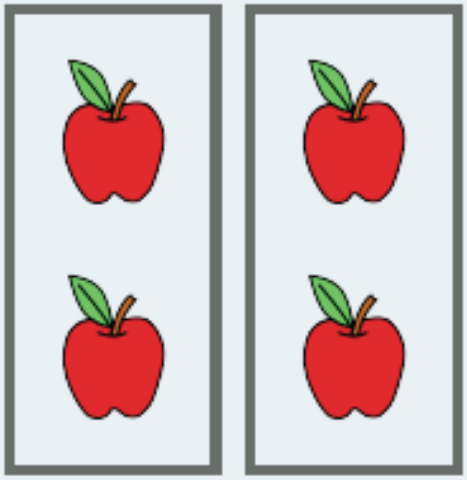
Student response mode: ___ point ___ look ___ other

Math

Interpret Products of Whole Numbers

Dimension A Lesson 3: Products of 1 - 4

$$\begin{array}{r} 2 \\ \times\ 2 \\ \hline 4 \end{array}$$



Math • Interpret Products of Whole Numbers
Lesson 3: Products of 1 - 4

Common Core Content Activities

By Erica Price and Christina Willoughby

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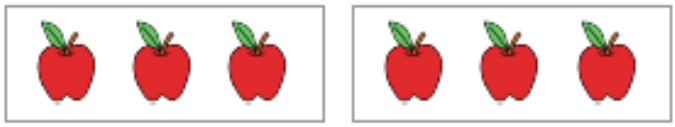
Dim A

Products of 1 - 4

Today we are going to look at problems with products of 1-4. Let's get working!

1. Choose the correct multiplication sentence for the following problem.



2 x 3 = 6	3 x 4 = 12	2 x 5 = 10

Student response mode: ___ point ___ look ___ other

2. Choose the correct multiplication sentence for the following problem.

1 x 4 = 4	3 x 3 = 9	4 x 2 = 8

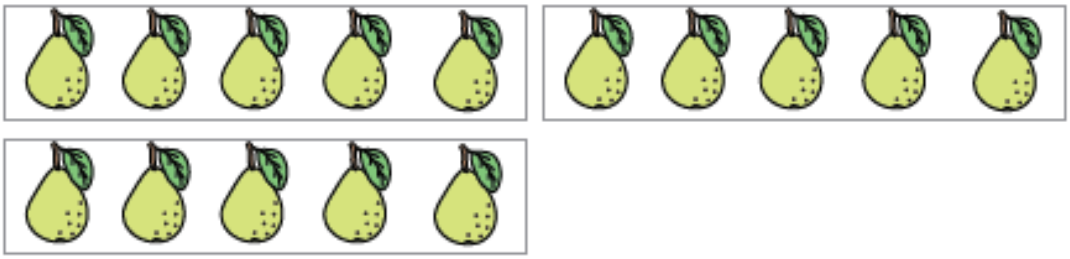
Student response mode: ___ point ___ look ___ other

3. Connect the pictures to the multiplication problem.

3 x 2

4 x 1

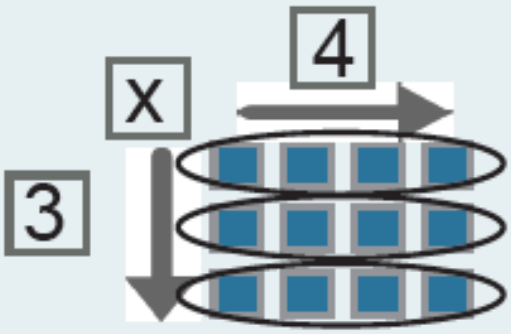
1 x 3



4 x 4

3 x 5

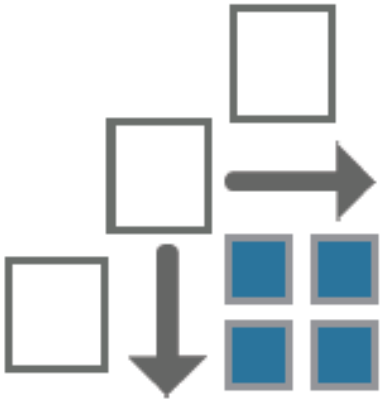
Here is an example of how we are going to do the next few problems. 3 x 4 = 12
4 + 4 + 4 = 12



3 x 4 = 12

4 + 4 + 4 = 12

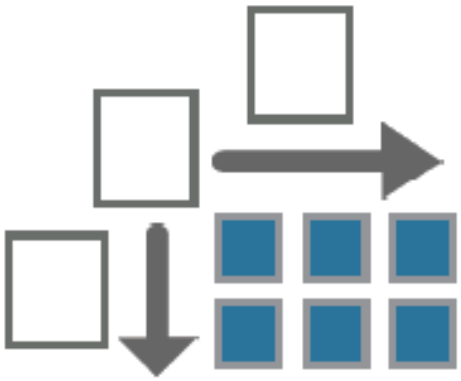
4



□ x □ = □

□ + □ = □

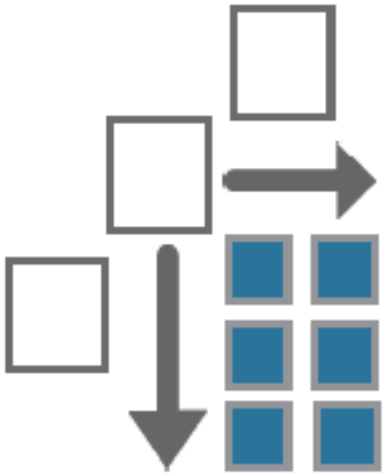
5



□ x □ = □

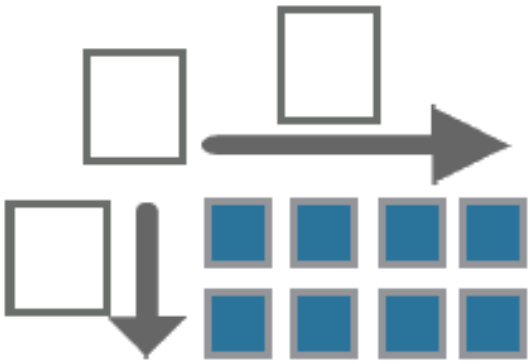
□ + □ = □

6



□ x □ = □

7



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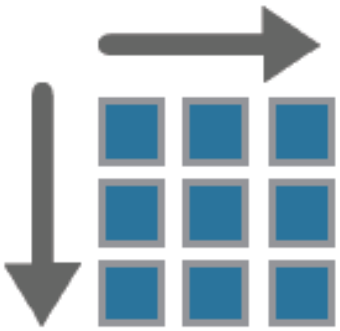


activity page

Skittles Math

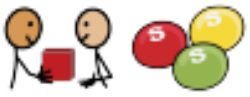
NEED

Skittles

procedure

1. Get into groups of two.

2. Pass out the skittles.



3. Each student will create multiplication problems that the other student has to read aloud.

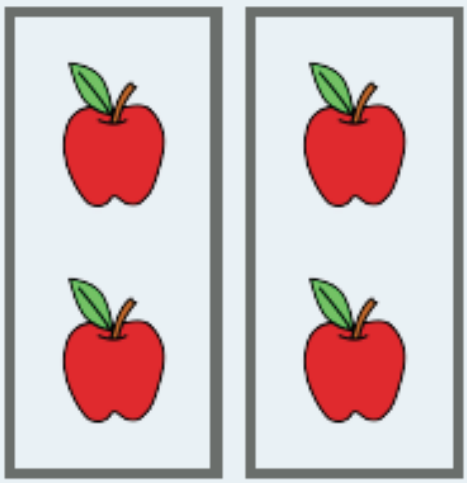
$$\begin{array}{r} 2 \\ \times\ 2 \\ \hline 4 \end{array}$$

Math

Interpret Products of Whole Numbers

Dimension A Lesson 4: Products of 5 - 7

$$\begin{array}{r} 2 \\ \times\ 2 \\ \hline 4 \end{array}$$



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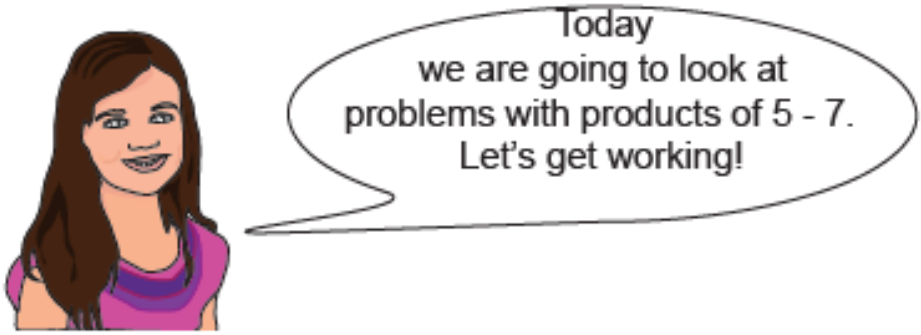
Dim A

Products of 5 - 7



1. Choose the correct multiplication sentence for the following problem.

5 x 3 = 15	6 x 4 = 24	5 x 2 = 10

Student response mode: ___ point ___ look ___ other

2. Choose the correct multiplication sentence for the following problem.

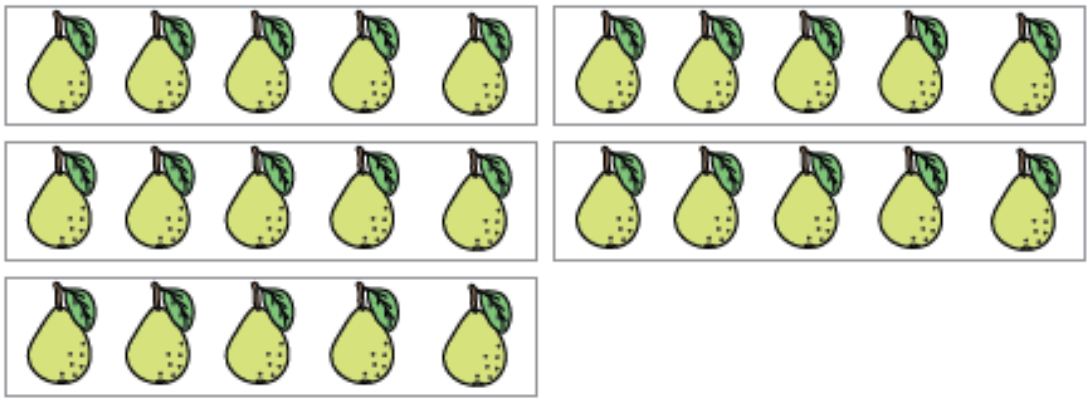
6 x 2 = 12	7 x 1 = 7	5 x 4 = 20

Student response mode: ___ point ___ look ___ other

3. Connect the pictures to the multiplication problem.

5 x 5

5 x 2



6 x 2

6 x 4

Let's solve some more problems using repeated addition and multiplication.

4

□ x □ = □

5

□ x □ = □

6

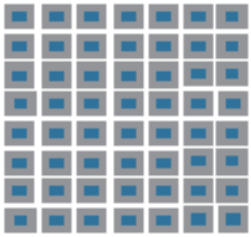
□ x □

7

8

9

10



11

12

activity page

Color Tiles Math

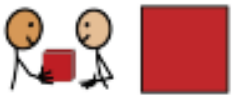
NEED

Color Tiles

procedure

1. Get into groups of two.

2. Pass out the color tiles.



3. One student will say a multiplication problem.

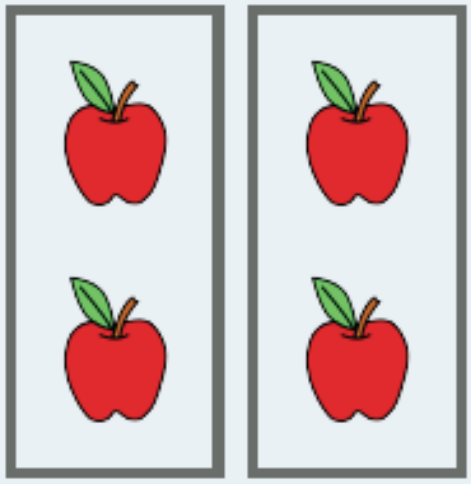
4. The other student will lay out the tiles to represent the problem as addition and multiplication.

Math

Interpret Products of Whole Numbers

Dimension A Lesson 5: Products of 8 - 10

$$\begin{array}{r} 2 \\ \times\ 2 \\ \hline 4 \end{array}$$



Math • Interpret Products of Whole Numbers
Lesson 5: Products of 8 - 10

Common Core Content Activities

By Erica Price and Christina Willoughby

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Dim A

Products of 8 - 10

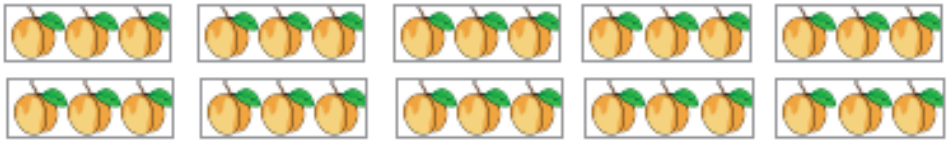
Now we are ready to look at some bigger numbers!

1. Choose the correct multiplication sentence for the following problem.

6 x 2 = 12	8 x 2 = 16	7 x 2 = 14

Student response mode: ___ point ___ look ___ other

2. Choose the correct multiplication sentence for the following problem.



10 x 3 = 30	9 x 3 = 27	8 x 3 = 24

Student response mode: ___ point ___ look ___ other

3. Connect the pictures to the multiplication problem.

9 x 6

8 x 7

10 x 2

8 x 5

Here we go again! For numbers 4-12 solve the problems in both repeated addition and multiplication.

4

5

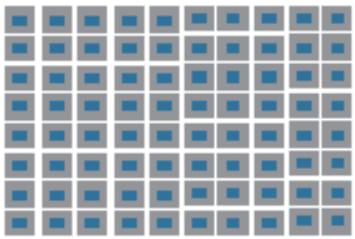
6

7

8

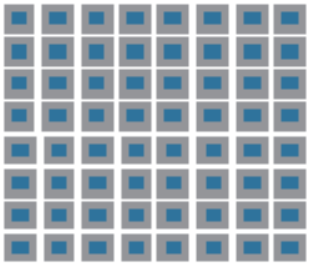
9

10



11

12



activity page

Multiplication Domino

NEED

Domino Cards

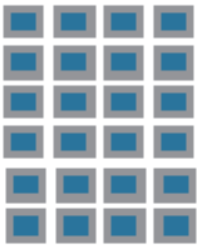
procedure

1. Find a partner.

2. Cut out the domino cards.

3. Divide the cards equally.

4. The first person to connect their cards domino style, wins.

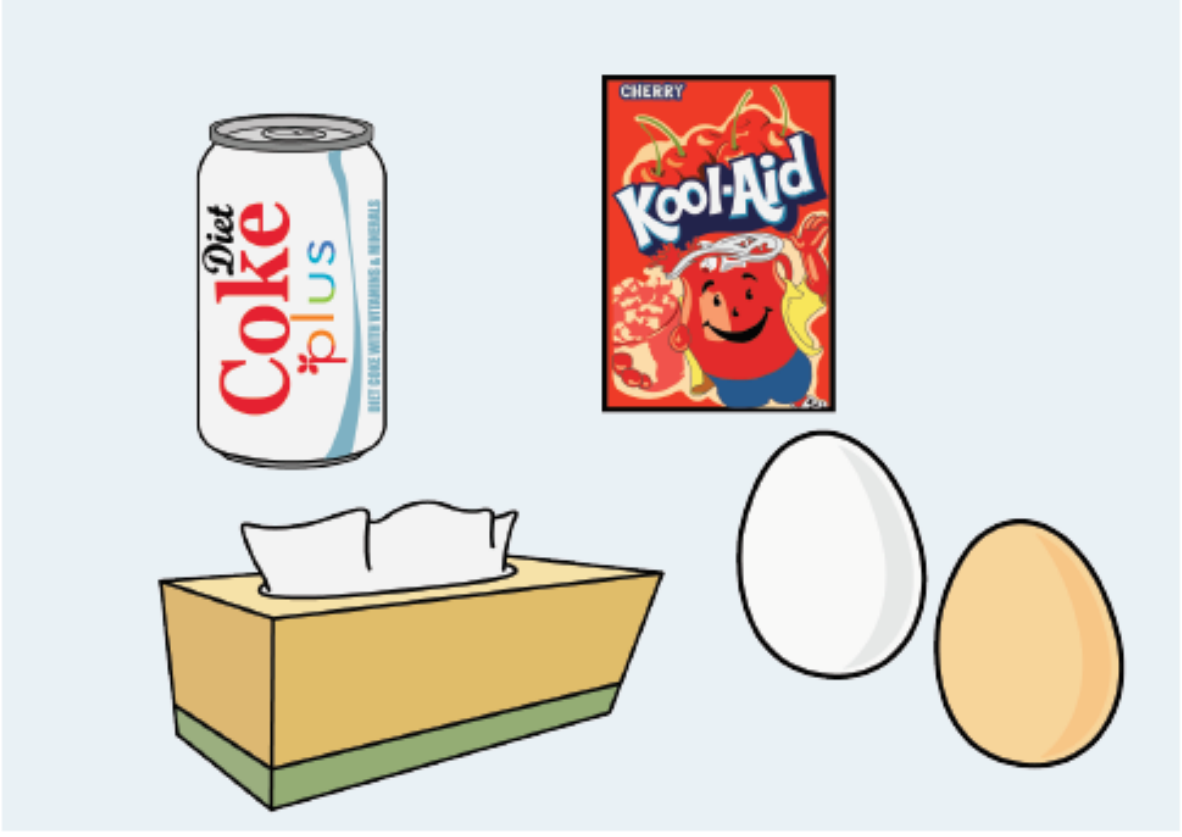
	8 x 6		3 x 4
	5 x 5		2 x 8
	1 x 3		9 x 4
	4 x 6		7 x 2
	6 x 6		8 x 2

	3 x 2
	4 x 7
	5 x 3
	2 x 4
	6 x 2
	10 x 2
	3 x 4
	8 x 1
	2 x 5
	6 x 7

Math

Interpret Products of Whole Numbers

Dimension A Lesson 6: Word Problems



Common Core Content Activities

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Dim A

Word Problems

Today
we are going to solve some
word problems.

Read the
problem and decide which
equation fits best!

1. Solve the following word problem.

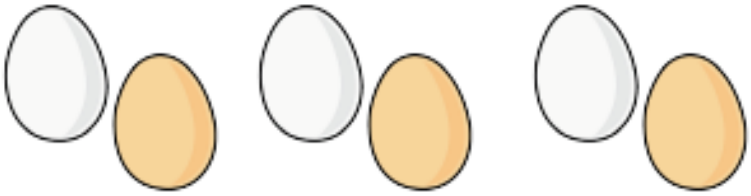
Toby has 3 bottles of soda. Each bottle contains 2 liters. How many liters does Toby have in all?

4 x 2 = 8	3 x 2 = 6	5 x 2 = 10

Student response mode: ___ point ___ look ___ other

2. Solve the following word problem.

Michael has 4 cartons of eggs. There are half a dozen (6) eggs in each carton. How many eggs does he have in all?



4 x 6 = 24	3 x 6 = 18	8 x 3 = 24

Student response mode: ___ point ___ look ___ other

3. Solve the following word problem.

Mary buys 3 packs of diet coke. Each pack has 6 cans in it. How many cans does she have in all?

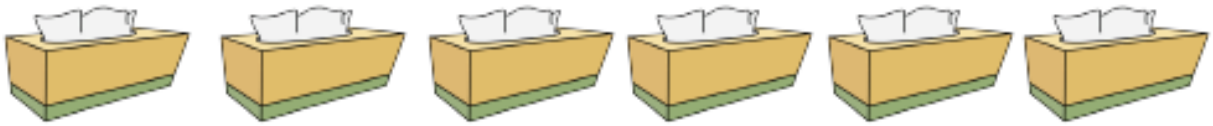
3 x 5 = 15	4 x 2 = 8	3 x 6 = 18

Student response mode: ___ point ___ look ___ other

Let's do some more word prob-lems. But this time, you need to show your work!!

4. Solve the following word problems using both repeated addition and multiplication.

There are 10 tissues in a box. Suzy has 6 boxes. How many tissues does she have in all?



Student response mode: ___ point ___ look ___ other

5. Solve the following word problem using both repeated addition and multiplication.

Molly baked cookies for her teachers. She put 7 cookies in each bag. She has 6 teachers. How many cookies will she need?

Student response mode: ___ point ___ look ___ other

6. Solve the following word problem using both repeated addition and multiplication.

Trina buys 8 boxes of drink mix. Each box has 6 little pouches. How many pouches does she have in all?

Student response mode: ___ point ___ look ___ other

activity page

Memory

NEED

Memory Cards

procedure

1. Find a partner.

2. Cut out the memory cards.

3. Place all cards face down.

4. The person who finds the most pairs wins.

8 x 4	4 + 4 +4 + 4 + 4 + 4 + 4 + 4	3 x 2
2 + 2 + 2	2 x 8	8 + 8
6 x 3	3 + 3 + 3 + 3 + 3 + 3	5 x 5

1 x 9	5 + 5 + 5 + 5 + 5	9
1 + 1 + 1 + 1 + 1 + 1	6 x 1	2 x 4
4 + 4	3 + 3 + 3 + 3 + 3 + 3	7 x 3

Math

Interpret Products of Whole Numbers

Dimension A Lesson 7: Review

Common Core Content Activities

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Review

Now it's
time to review everything
we've learned!

1. Choose the correct multiplication sentence for the following problem.

5 x 3 = 15	3 x 4 = 12	2 x 5 = 10

Student response mode: ___ point ___ look ___ other

2. Choose the correct multiplication sentence for the following problem.

4 x 5 = 20	3 x 4 = 12	3 x 6 = 18

Student response mode: ___ point ___ look ___ other

3. Connect the pictures to the multiplication problem.

3 x 2

6 x 2

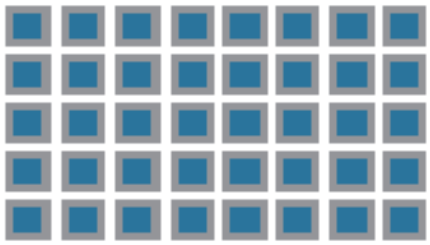
8 x 1

3 x 4

4 x 5

4. Solve the following problems using both repeated addition and multiplication.

a.



b.

c.

d.

5. Solve the following word problem.

Emma bought 4 binders for school. She put 2 folders in each binder. How many folders does Emma have in all?

4 x 6 = 24	4 x 2 = 8	8 x 3 = 24

Student response mode: ___ point ___ look ___ other

6. Solve the following word problem.

Mom has 5 packs of pudding in the fridge. Each pack has 4 cups in it. How many cups of pudding does mom have?

5 x 5 = 25	3 x 2 = 6	5 x 4 = 20

Student response mode: ___ point ___ look ___ other

7. Solve the following word problem using both repeated addition and multiplication.

Sophia is fixing 8 peanut butter and jelly sandwiches. How many slices of bread will she need if she uses 2 slices for each sandwich?

Student response mode: ___ point ___ look ___ other

8. Solve the following word problem using both repeated addition and multiplication.

Dad is cooking onion soup. He buys 6 packs of onions. Each pack has 5 onions in it. How many onions does he have?

Student response mode: ___ point ___ look ___ other

activity page

Activity

m&m Math

NEED

m&m's

pencil

paper

procedure

1. Find a partner.

2. Pass out the m&m's.

3. Take turns creating as many multiplication problems as you can.

x

4. Write down each problem as repeated addition.

1 + 1 = 2

5. Write down each problem as a multiplication problem.

$$\begin{array}{r} 2 \\ \times\ 2 \\ \hline 4 \end{array}$$

Math

Interpret Products of Whole Numbers

Practice Assessment

Common Core Content Activities

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Math • Interpret Products of Whole Numbers
Practice Assessment

Dim
A/B

Directions: Read each question aloud to the student. Do not repeat the question unless the student requests it. Show the student the possible answer choices as you read them to him/her. Mark the student's answer in the chart below.

This activity allows the students similar Alternate Assessment practice to assist in generalizing the skill. Dimension B students are permitted to choose from three possible answers instead of four.

QUESTION	STUDENT RESPONSE			
1. Look at the addition problem. How would you write the multiplication problem for it? (Show Attachment 1)	A	B	C	D
2. Look at the addition problem. How would you write the multiplication problem for it? (Show Attachment 2)	A	B	C	D
3. Look at the multiplication problem. How would you write the addition problem for it? (Show Attachment 3)	A	B	C	D
4. Look at the multiplication problem. How would you write the addition problem for it? (Show Attachment 4)	A	B	C	D
5. Look at the picture. Find the multiplication problem for it. (Show Attachment 5)	A	B	C	D

Comments:

Question 1

a) 4×2	b) 8×3
c) 6×5	d) 2×7

Question 2

a) 3×9	b) 5×9
c) 7×8	d) 6×4

Question 3

a)

$$4 + 4$$

b)

$$4 + 4 + 4 + 4$$

c)

$$4 + 4 + 4 + 4 + 4$$

d)

$$4 + 4 + 4$$

Question 4

a) $3+3+3+3$	b) $3+3+3+3+3$
c) $3+3+3+3+3+3+3$	d) $3+3+3$

Question 5

a) 10×2	b) 4×5
c) 3×8	d) 6×8

Attachment 1

$$2 + 2 + 2 + 2$$

Attachment 2

$$9+9+9+9+9$$

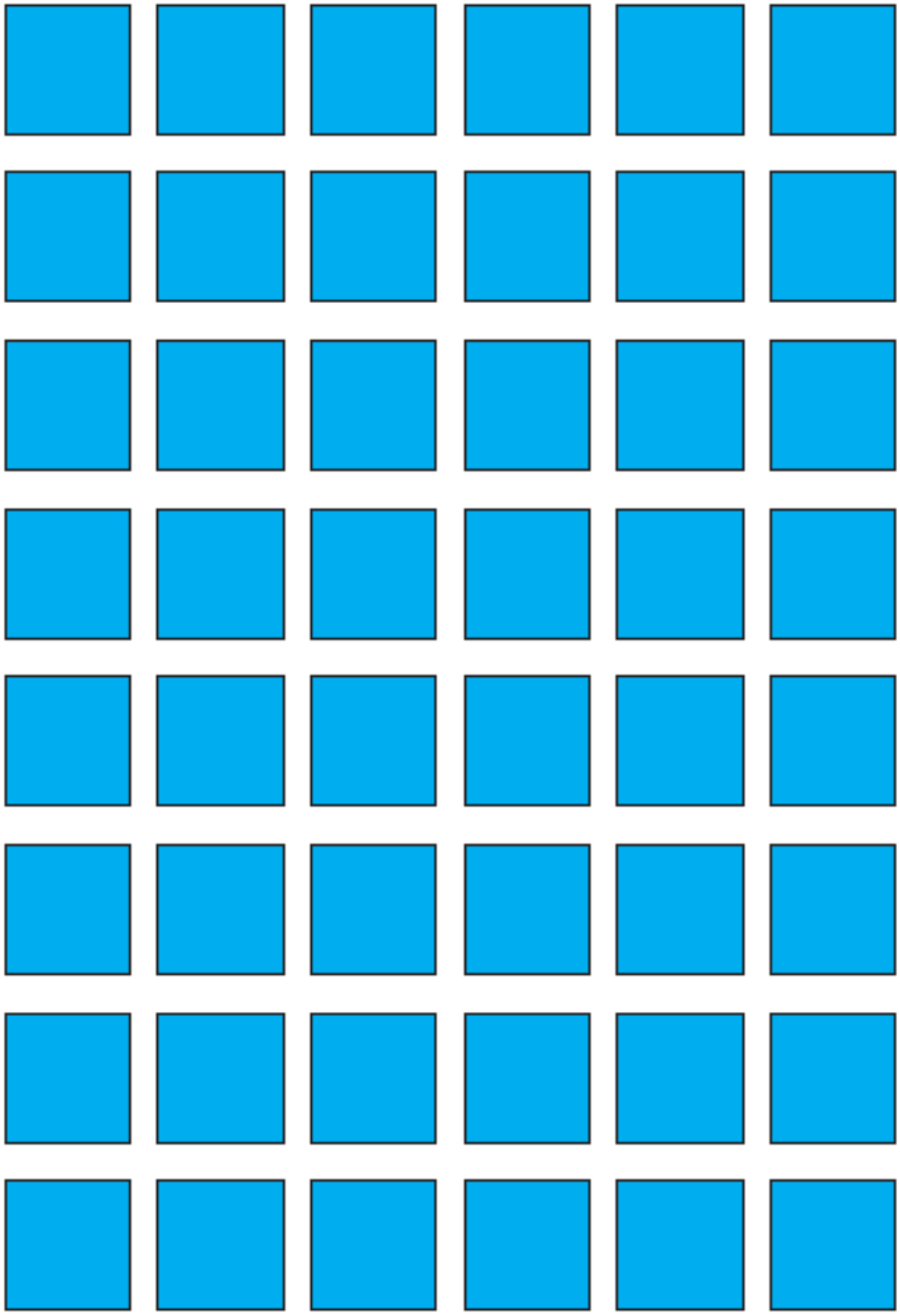
Attachment 3

3 x 4

Attachment 4

7 x 3

Attachment 5



Math

Interpret Products of Whole Numbers

Vocabulary Cards

Math • Interpret Products of Whole Numbers Vocabulary Cards

Common Core Content Activities

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=	**Product**
=	The answer you get when you multiply numbers.
	Multiply
	To multiply is to make the number bigger.It is also repeated addition.

Whole Numbers

1 2
3 4

Whole numbers are numbers like
0, 1, 2, 3, 4, 5, 6…
These numbers never look like 1/2,
0.5 or -3.

1 2
3 4

Addition

To add something to
something else.

Name _____ Date _____

MULTIPLICATION COLOR BY NUMBER

63 light blue 18 pink 54 brown 0 yellow 27 gray
36 light brown 45 light brown 81 blue 72 green 9 red

Multiply. Then, use the color code to complete the picture.