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**teach@home**

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# Math Activities

## Grade 3, Week 1

### Multiplication

Day	Topic	Pages
Day 1	<a href="#">Understanding Multiplication</a>	2-3
Day 2	<a href="#">Multiplication Strategies–Doubles</a>	4-5
Day 3	<a href="#">Multiplication Strategies–Use Ten Times</a>	6-7
Day 4	<a href="#">Multiplication Strategies–Use Five Times</a>	8-9
Day 5	<a href="#">Multiplication Strategies–Use Partial Products</a>	10-11

The Answer Key for this week's lessons can be found at:

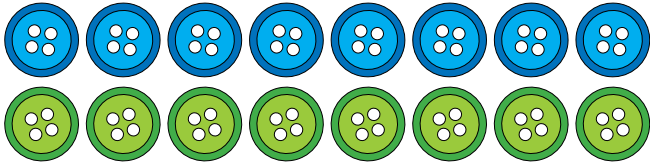


**Printable  
Answer Key**

[hand2mind-link.com/M3-AK-W1](http://hand2mind-link.com/M3-AK-W1)



Find each product. Draw the array that models the multiplication fact. Use counters (such as color tiles, paper clips, cereal, etc.) to help, if available.



1.  $8 \times 2 =$  \_\_\_\_\_

2.  $6 \times 6 =$  \_\_\_\_\_

3.  $3 \times 5 =$  \_\_\_\_\_

4.  $8 \times 4 =$  \_\_\_\_\_

5.  $5 \times 9 =$  \_\_\_\_\_

6.  $7 \times 7 =$  \_\_\_\_\_

7.  $4 \times 6 =$  \_\_\_\_\_

8.  $3 \times 8 =$  \_\_\_\_\_

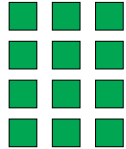
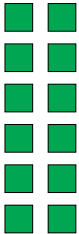
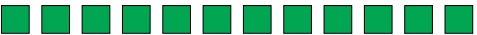
9.  $9 \times 4 =$  \_\_\_\_\_

10.  $5 \times 7 =$  \_\_\_\_\_



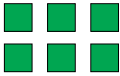
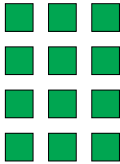
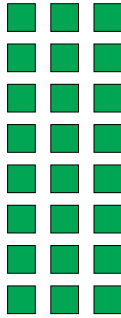
# Day 1 (continued)

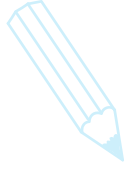
Solve the multiplication problem. Draw an array that models the product. Then, draw two other possible arrays for that multiplication fact.

Problem	Array 1	Array 2	Array 3
$3 \times 4 = \underline{12}$			
$3 \times 6 = \underline{\quad}$			
$4 \times 4 = \underline{\quad}$			
$6 \times 5 = \underline{\quad}$			
$8 \times 5 = \underline{\quad}$			
$4 \times 9 = \underline{\quad}$			



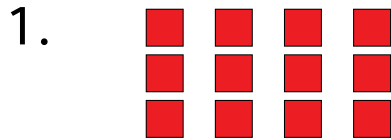
Solve the multiplication problem. Draw an array that models the multiplication fact. Then, double the array. Then, double the array again.

Array 1	Array 2	Array 3
  $3 \times 2 = \underline{6}$	  $3 \times 4 = \underline{12}$	  $3 \times 8 = \underline{24}$
$4 \times 2 = \underline{\quad}$	$4 \times 4 = \underline{\quad}$	$4 \times 8 = \underline{\quad}$
$5 \times 2 = \underline{\quad}$	$5 \times 4 = \underline{\quad}$	$5 \times 8 = \underline{\quad}$
$8 \times 2 = \underline{\quad}$	$8 \times 4 = \underline{\quad}$	$8 \times 8 = \underline{\quad}$
$7 \times 2 = \underline{\quad}$	$7 \times 4 = \underline{\quad}$	$7 \times 8 = \underline{\quad}$
$6 \times 2 = \underline{\quad}$	$6 \times 4 = \underline{\quad}$	$6 \times 8 = \underline{\quad}$

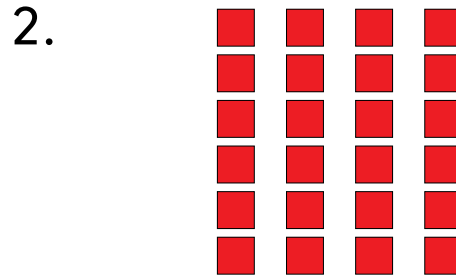


# Day 2 (continued)

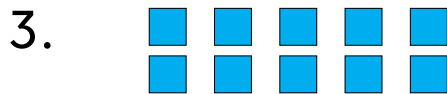
Write a multiplication sentence for each array shown. Write a second multiplication sentence to show the number of tiles if you double each array. Use counters (such as color tiles, paper clips, cereal, etc.) to help, if available.



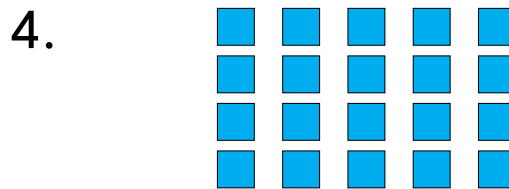
first array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$   
 second array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$



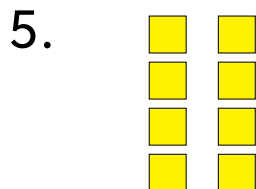
first array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$   
 second array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$



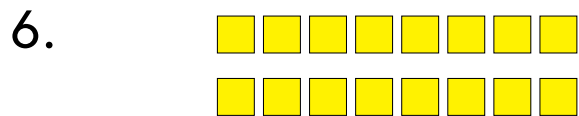
first array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$   
 second array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$



first array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$   
 second array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$



first array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$   
 second array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$



first array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$   
 second array:  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$



## Decoder Puzzle

Multiply to find the product for each letter below. Write the letter in the puzzle that matches each product.

For example, find the product for letter B.

$$7 \times 20 = 140$$

Write the letter B in the puzzle each time you see 140. Match the other letters to the correct product.

B $7 \times 20$	E $8 \times 30$	F $5 \times 40$	G $7 \times 50$	I $6 \times 60$	L $5 \times 80$	M $4 \times 70$	N $3 \times 90$
O $2 \times 80$	P $9 \times 50$	S $8 \times 60$	T $7 \times 30$	U $6 \times 30$	V $4 \times 80$	Y $2 \times 60$	

\_\_\_\_\_

\_\_\_\_\_

**B** \_\_\_\_\_

\_\_\_\_\_ **!**



# Day 3 (continued)

Draw a line from each problem to its answer.

$5 \times 50 \bullet$

$\bullet 80$

$9 \times 30 \bullet$

$\bullet 420$

$1 \times 80 \bullet$

$\bullet 200$

$8 \times 60 \bullet$

$\bullet 400$

$9 \times 70 \bullet$

$\bullet 250$

$6 \times 70 \bullet$

$\bullet 270$

$4 \times 50 \bullet$

$\bullet 140$

$7 \times 20 \bullet$

$\bullet 480$

$5 \times 80 \bullet$

$\bullet 630$



Cut out the answers to the multiplication problems on the bottom and glue them into the correct spot.

$$4 \times 5 =$$

$$5 \times 7 =$$

$$2 \times 5 =$$

$$6 \times 5 =$$

$$5 \times 1 =$$

$$8 \times 5 =$$

$$9 \times 5 =$$







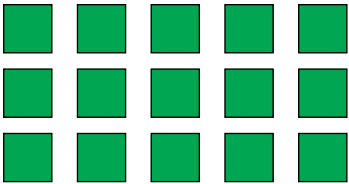
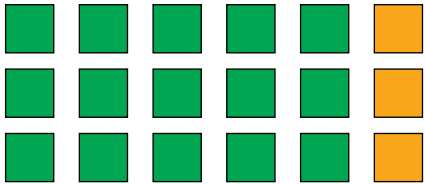
# Day 4 (continued)

Complete the below multiplication problems.

5	x	5	=	
5	x		=	45
	x	6	=	42
5	x	2	=	
	x	5	=	5
9	x	5	=	
	x	5	=	15
5	x		=	20
5	x	7	=	



Use five facts to help solve these problems.  
 Draw an array that models the multiplication fact.  
 Then, double the array. Then, double the array again.

Array 1	Array 2
 <p><math>3 \times 5 = \underline{\hspace{2cm} 15 \hspace{2cm}}</math></p>	 <p><math>3 \times 6 = \underline{\hspace{2cm} 18 \hspace{2cm}}</math></p>
<p><math>6 \times 5 = \underline{\hspace{2cm}}</math></p>	<p><math>6 \times 6 = \underline{\hspace{2cm}}</math></p>
<p><math>5 \times 2 = \underline{\hspace{2cm}}</math></p>	<p><math>4 \times 2 = \underline{\hspace{2cm}}</math></p>
<p><math>8 \times 5 = \underline{\hspace{2cm}}</math></p>	<p><math>8 \times 4 = \underline{\hspace{2cm}}</math></p>
<p><math>7 \times 5 = \underline{\hspace{2cm}}</math></p>	<p><math>6 \times 7 = \underline{\hspace{2cm}}</math></p>



# Day 5 (continued)

Solve each problem using five facts.  
Draw the array that helped you solve it.

Array 1	Array 2
$6 \times 3 = \underline{\hspace{2cm}}$	$8 \times 4 = \underline{\hspace{2cm}}$
$4 \times 4 = \underline{\hspace{2cm}}$	$6 \times 4 = \underline{\hspace{2cm}}$
$9 \times 6 = \underline{\hspace{2cm}}$	$6 \times 2 = \underline{\hspace{2cm}}$
$7 \times 4 = \underline{\hspace{2cm}}$	$6 \times 8 = \underline{\hspace{2cm}}$
$6 \times 7 = \underline{\hspace{2cm}}$	$4 \times 9 = \underline{\hspace{2cm}}$