

MULTIPLICATION

Mania

3RD
Grade

YAY!
Numbers party!



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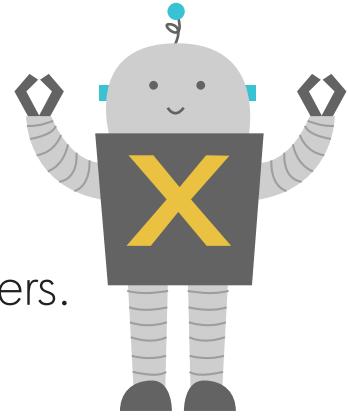
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Multiplication Table

Robert the Multiplication Robot has lost a few of his screws! Help him complete the **multiplication table** by filling in the missing numbers.



x	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0												
1		1											
2			4										
3									27			36	
4				12									
5								35				55	
6							36		48				
7	0			28									
8					40								
9													
10													
11													
12												144	

Multiplying by One

Find the product.

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$$

Fill in the multiplication chart.



x	1	2	3	4	5	6	7	8	9	10
1										

Multiplying by Two

Find the product.

$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

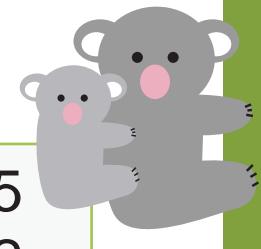
$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

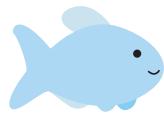


Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
2										

Multiplying by Three

Find the product.



$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$$

Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
3										

Multiplying by Four

Find the product.

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

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

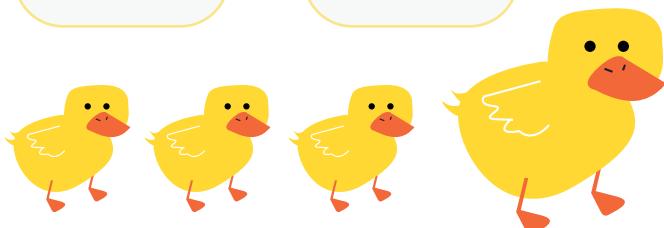
$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

Fill in the multiplication chart.



x	1	2	3	4	5	6	7	8	9	10
4										

Multiplying by Five

Find the product.



$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
5										

Multiplying by Six

Find the product.



$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

Fill in the multiplication chart.



x	1	2	3	4	5	6	7	8	9	10
6										
6										



Multiplying by Seven

Find the product.

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
7										



Multiplying by Eight

Find the product.

$$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

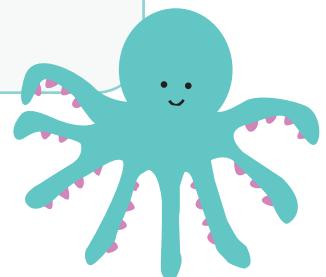
$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
8										

Multiplying by Nine

Find the product.



$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
9										

Multiplying by Ten

Find the product.



$$\begin{array}{r} 10 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$



$$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$



$$\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$$



$$\begin{array}{r} 9 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 10 \\ \hline \end{array}$$



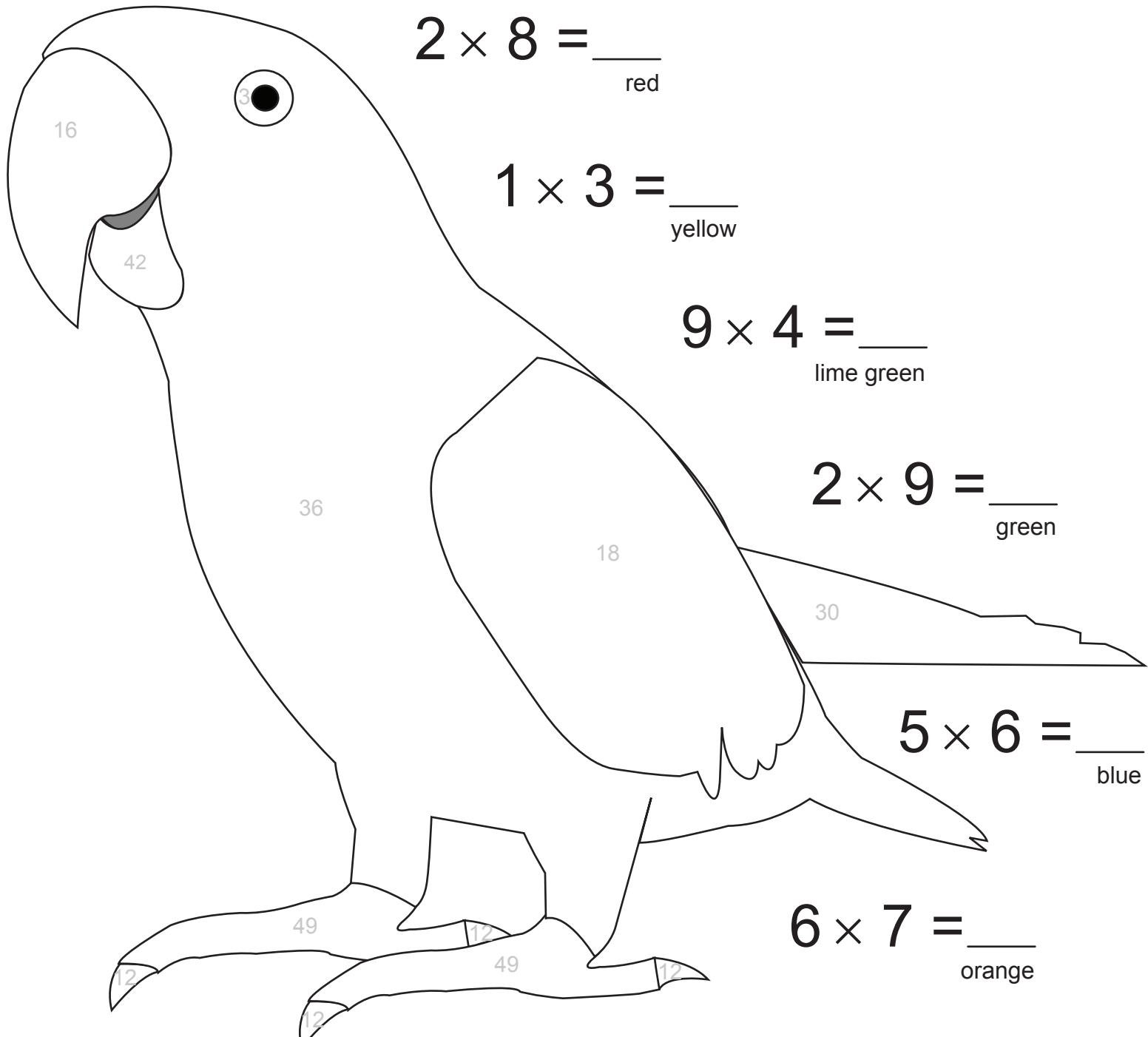
Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
10										



Multiplication Color By Number

Once you have solved the multiplication problems on the right, you can color in the parrot using the color that is listed under each answer.



$2 \times 8 = \underline{\hspace{2cm}}$
red

red

$1 \times 3 = \underline{\hspace{2cm}}$

yellow

yellow

$9 \times 4 =$ _____

lime green

$$2 \times 9 =$$

green

$$5 \times 6 =$$

blue

$$6 \times 7 =$$

orange

$$3 \times 4 =$$

brown

$7 \times 7 = \underline{\hspace{2cm}}$

tan

tan

Multiplication Color By Number

Once you have solved the multiplication problems below, you can color in the chameleon using the color that is listed under each answer.

$9 \times 2 = \underline{\hspace{2cm}}$
pale yellow

$7 \times 7 = \underline{\hspace{2cm}}$
blue green

$3 \times 8 = \underline{\hspace{2cm}}$
forest green

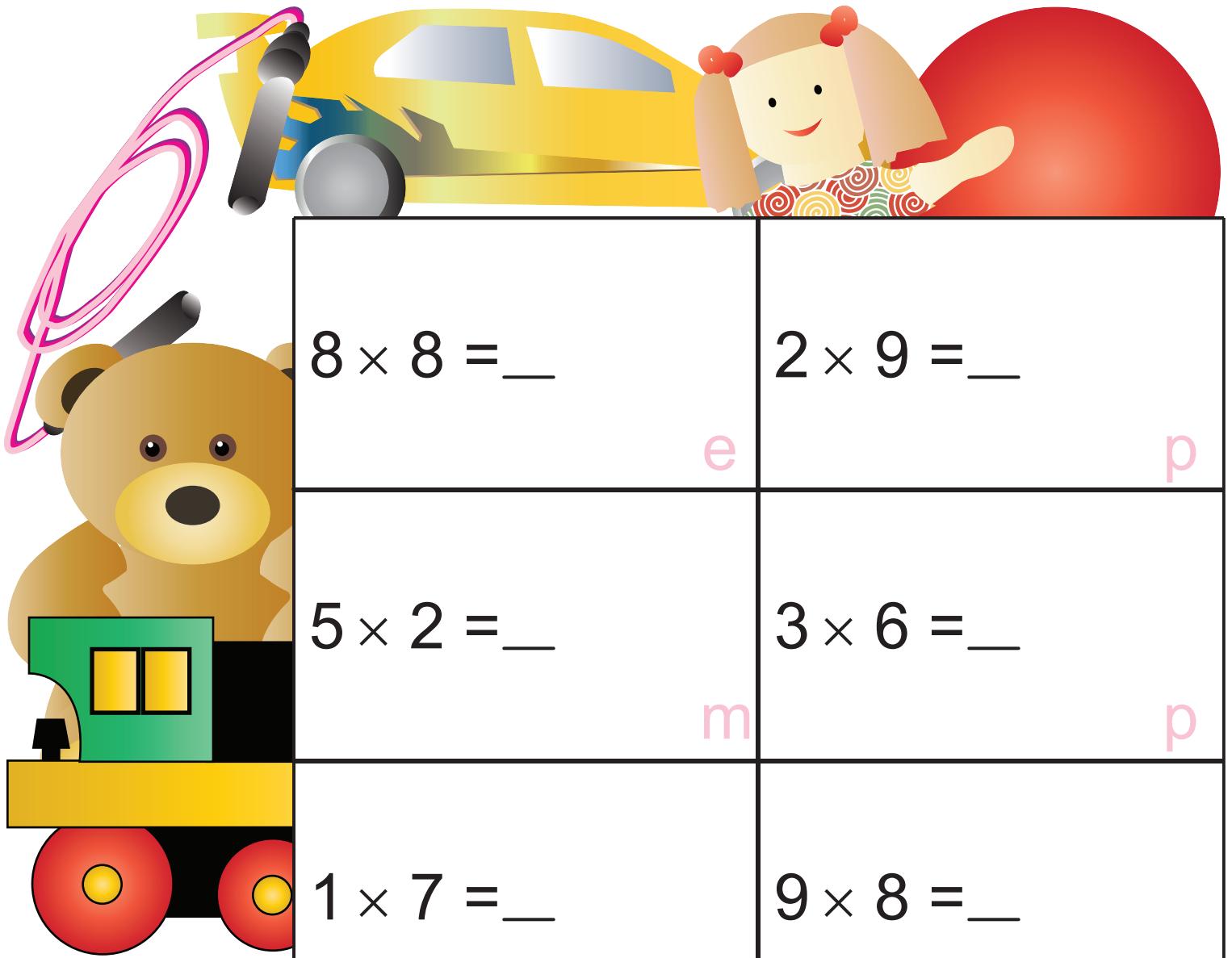
$4 \times 3 = \underline{\hspace{2cm}}$
jade green

$2 \times 7 = \underline{\hspace{2cm}}$
rust

$7 \times 6 = \underline{\hspace{2cm}}$
tan

$8 \times 6 = \underline{\hspace{2cm}}$
brown

$3 \times 9 = \underline{\hspace{2cm}}$
cream



Toy Town Multiplication

Solve each multiplication problem. Then match the numbers beneath each mystery letter to your answers, and write the corresponding letter in each space. What kind of toy did you find?

6

7

10

18

21

72

18

64

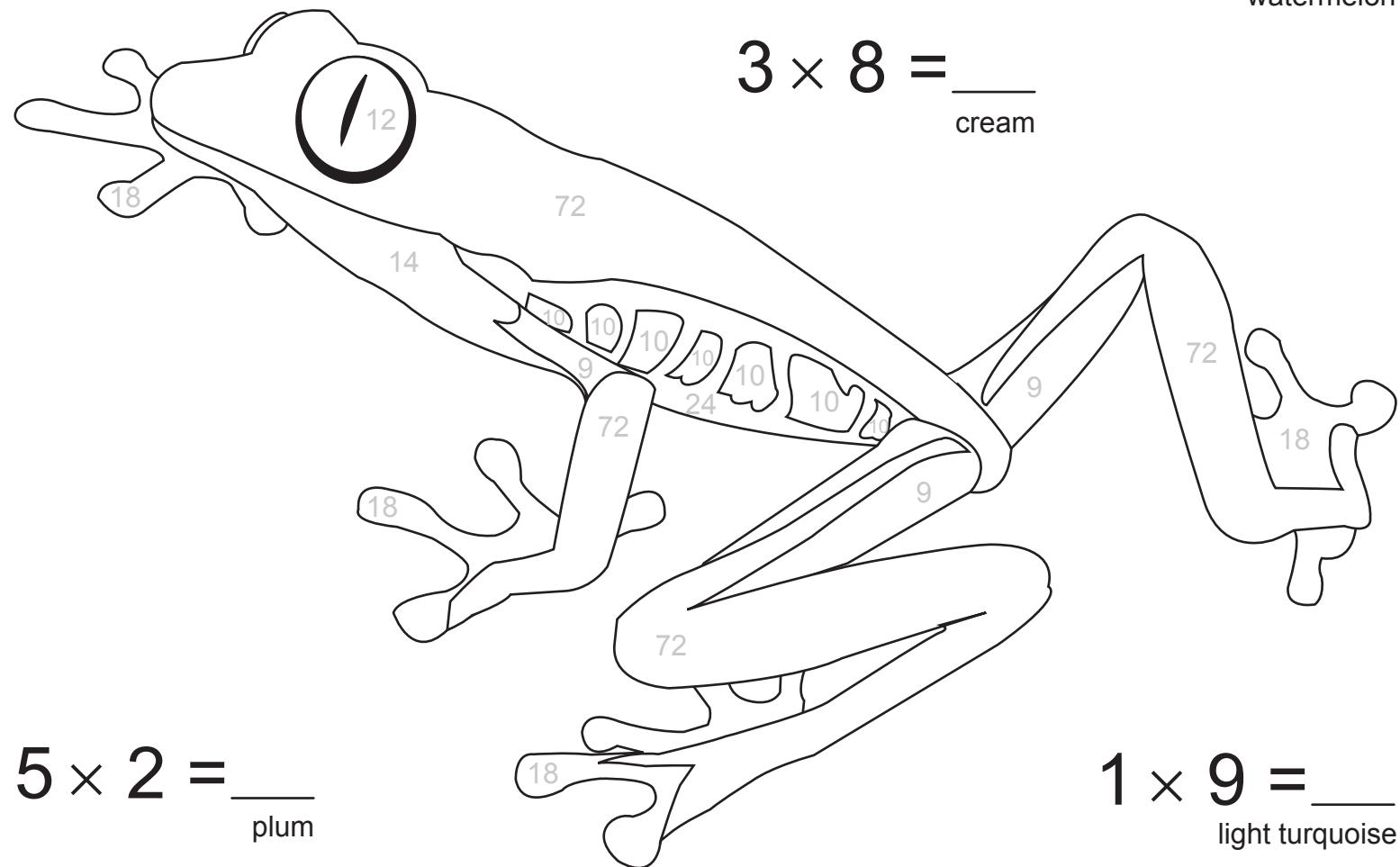
Multiplication Color By Number

Once you have solved the multiplication problems below, you can color in the tree frog using the color that is listed under each answer.

$2 \times 7 = \underline{\hspace{2cm}}$
lavender

$8 \times 9 = \underline{\hspace{2cm}}$
moss green

$6 \times 3 = \underline{\hspace{2cm}}$
watermelon



$5 \times 2 = \underline{\hspace{2cm}}$
plum

$1 \times 9 = \underline{\hspace{2cm}}$
light turquoise

$9 \times 2 = \underline{\hspace{2cm}}$
watermelon

$6 \times 2 = \underline{\hspace{2cm}}$
light pink

Multiplication Color By Number

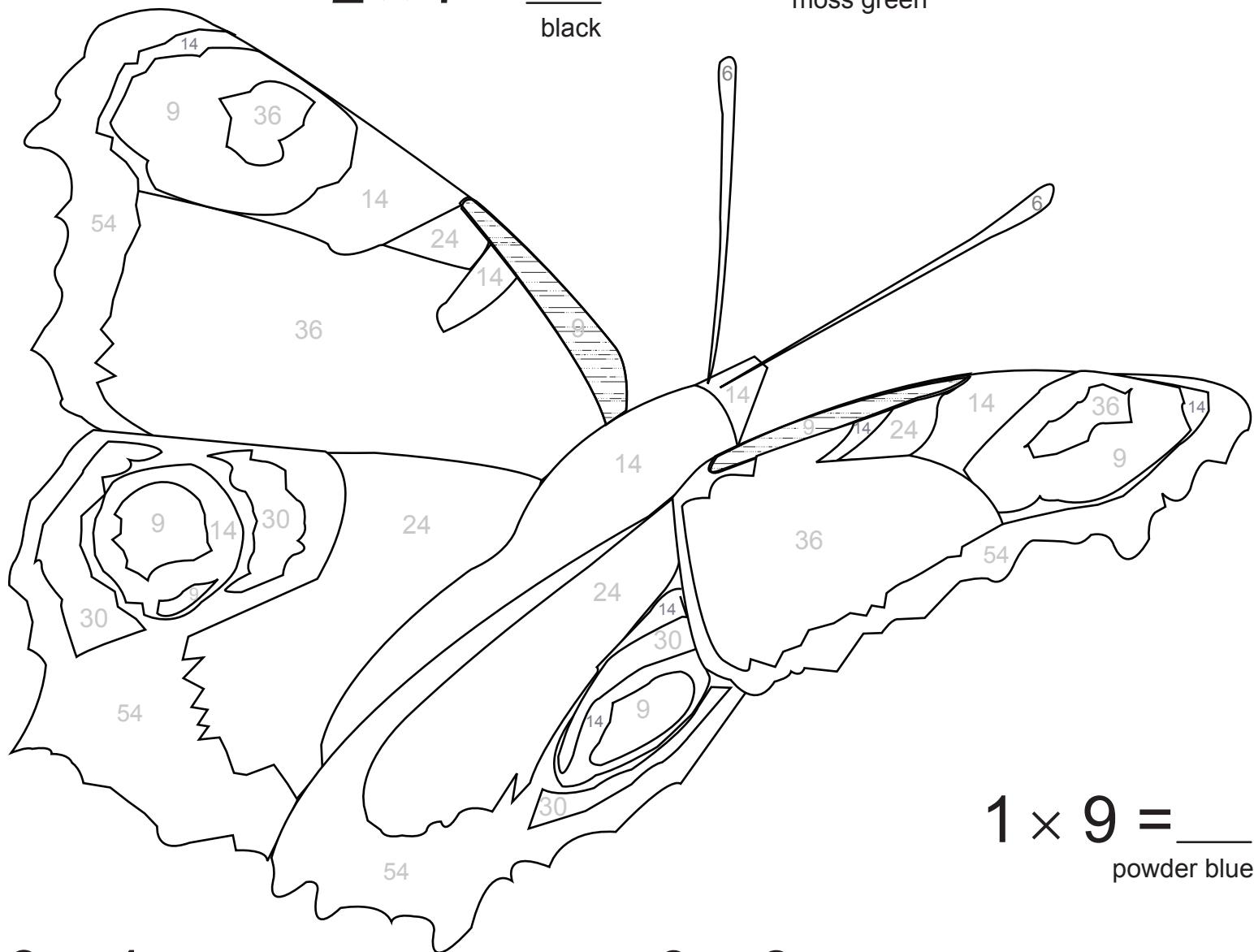
Once you have solved the multiplication problems below, you can color in the butterfly using the color that is listed under each answer.

$4 \times 9 = \underline{\hspace{2cm}}$
apricot

$2 \times 7 = \underline{\hspace{2cm}}$
black

$5 \times 6 = \underline{\hspace{2cm}}$
moss green

$3 \times 8 = \underline{\hspace{2cm}}$
caramel



$9 \times 4 = \underline{\hspace{2cm}}$
apricot

$9 \times 6 = \underline{\hspace{2cm}}$
jade green

$1 \times 9 = \underline{\hspace{2cm}}$
powder blue

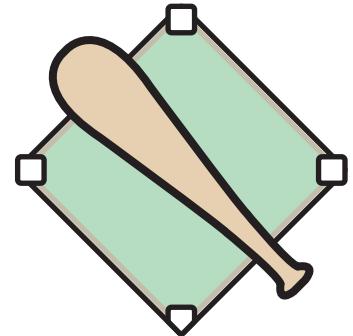
$2 \times 3 = \underline{\hspace{2cm}}$
olive green

BASEBALL

MULTIPLICATION #3



Batter up! Step up to the plate and swing for the fences. Solve the following multiplication problems and you'll be an All-Star!



$5 \times 2 = \underline{\quad}$

$7 \times 3 = \underline{\quad}$

$2 \times 2 = \underline{\quad}$

$7 \times 1 = \underline{\quad}$

$4 \times 3 = \underline{\quad}$

$8 \times 2 = \underline{\quad}$

$5 \times 5 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$

$2 \times 9 = \underline{\quad}$

$3 \times 3 = \underline{\quad}$

$5 \times 0 = \underline{\quad}$

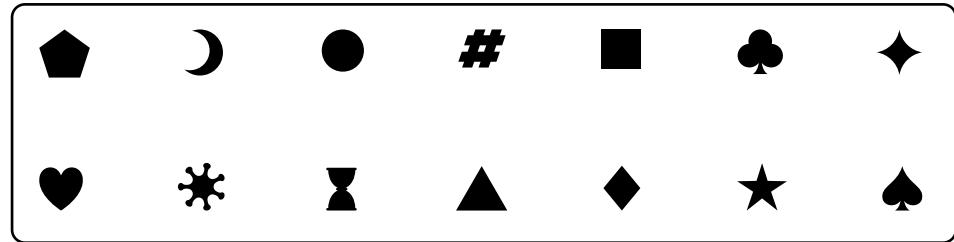
$8 \times 3 = \underline{\quad}$

Multiplication Mix-Up

There are 7 pairs of matching cards. Solve the equations then draw a line between symbols with the matching answers in the key below.

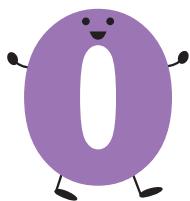
$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$
$\begin{array}{r} 14 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$	

Key



Numbers Party!

All of the numbers are off partying! It's up to you to complete each equation by writing the missing digit or digits in the box.



$3 \times \boxed{} = 6$

$\boxed{} \times 6 = 48$

$6 \times \boxed{} = 18$

$\boxed{} \times 4 = 8$

$\boxed{} \times 8 = 32$

$10 \times 1 = \boxed{}$

$4 \times \boxed{} = 20$

$5 \times 6 = \boxed{}$

$\boxed{} \times 2 = 14$

$6 \times \boxed{} = 0$

$9 \times \boxed{} = 27$

$7 \times 8 = \boxed{}$

$5 \times 5 = \boxed{}$

$\boxed{} \times 7 = 42$

$8 \times \boxed{} = 64$

$6 \times 9 = \boxed{}$

$7 \times \boxed{} = 28$

$\boxed{} \times 5 = 45$

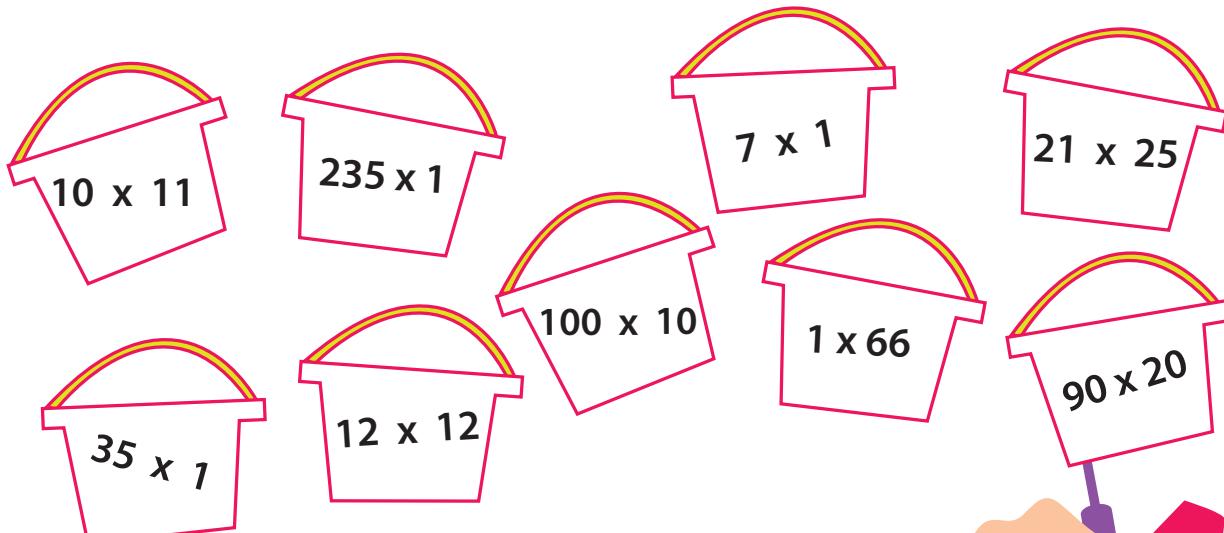


It's The Same!

One of the multiplication properties is *identity*, which means any number multiplied by 1 equals itself.

$$A \times 1 = A$$

Now color in the buckets that express the identity property.



Find the missing number. Notice the identity property.

$$\boxed{} \times 1 = 4$$

$$0.75 \times \boxed{} = 0.75$$

$$25 \times \boxed{} = 25$$

$$\boxed{} \times 1 = \frac{8}{14}$$

Find the products of these equations. Notice the identity property.

$$(68 + 15) \times 1 =$$

$$(100 - 55) \times 1 =$$

$$(3 + 20 + 11 + 4) \times 1 =$$

Commutative

One of the multiplication properties is *commutative*, which means that you can multiply numbers in any order and get the same product.

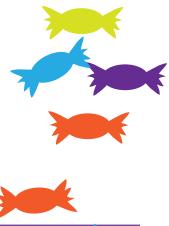
$$A \times B = B \times A$$

Find the missing number in the equations following the commutative property rule. Then answer the questions below.

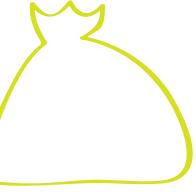
$$7 \times 5 = 5 \times \boxed{}$$

$$10 \times 11 = 11 \times \boxed{}$$

Julia has four bags of candy. Each bag contains six pieces of candy. Draw the pieces in each bag. How many pieces does Julia have?



Tommy has six bags of candies. Each bag contains five pieces of candy. Draw the pieces in each bag. How many pieces does Tommy have?



Write the multiplication equations for Julia and Tommy's candy using the commutative property.

$$\boxed{} \times \boxed{} = \boxed{} \times \boxed{}$$

$$\boxed{} \times \boxed{} = \boxed{} \times \boxed{}$$

It's Associative!

One of the multiplication properties is *associative*, which means you can group the factors in a multiplication equation and still get the same product.

$$A \times (B \times C) = (A \times B) \times C$$

Find the missing number according to the associative property.

$$4 \times (3 \times 2) = (4 \times 3) \times \boxed{}$$

$$6 \times (2 \times 5) = (6 \times 2) \times \boxed{}$$

$$(20 \times 5) \times 11 = 20 \times (11 \times \boxed{})$$

Find the product of these numbers.

$$7 \times (2 \times 1) = \boxed{}$$

$$2 \times (7 \times 1) = \boxed{}$$

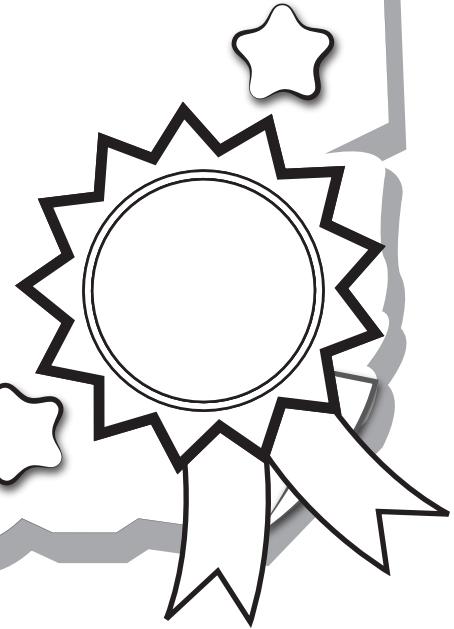
$$10 \times (3 \times 4) = 10 \times \boxed{} = \boxed{}$$

$$(10 \times 3) \times 4 = \boxed{} \times 4 = \boxed{}$$

When you group the factors differently, do the two equations have the same product?

Great job!

is an Education.com math superstar



Answer Sheets

Multiplication Mania

Multiplication Table

Multiplying by One

Multiplying by Two

Multiplying by Three

Multiplying by Four

Multiplying by Five

Multiplying by Six

Multiplying by Seven

Multiplying by Eight

Multiplying by Nine

Multiplying by Ten

Multiplication Color by Number: Parrot

Multiplication Color by Number: Chameleon

Toy Town Multiplication

Multiplication Color by Number: Tree Frog

Multiplication Color by Number: Butterfly

Baseball Multiplication #3

Multiplication Mix-Up

Numbers Party!

It's the Same!

Commutative

It's Associative

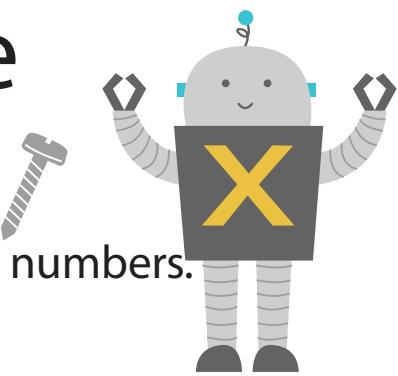
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Answer Sheet

Multiplication Table

Robert the Multiplication Robot has lost a few of his screws! Help him complete the multiplication table by filling in the missing numbers.



x	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

Answer Sheet

Multiplying by One

Find the product.

$$\begin{array}{r} 1 \\ \times 4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ \times 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 1 \\ \times 5 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 1 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1 \\ \times 2 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 10 \\ \times 1 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 1 \\ \times 8 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ \times 6 \\ \hline 6 \end{array}$$

Fill in the multiplication chart.



x	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10

Answer Sheet

Multiplying by Two

Find the product.

$$\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ \times 1 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$$

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

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 10 \\ \times 2 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$$

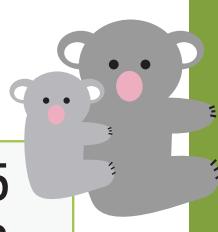
$$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 2 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20

Answer Sheet

Multiplying by Three

Find the product.

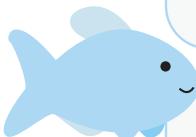


$$\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$$



$$\begin{array}{r} 3 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 10 \\ \times 3 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
3	3	6	9	12	15	18	21	24	27	30

Answer Sheet

Multiplying by Four

Find the product.

$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ \times 4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 4 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
4	4	8	12	16	20	24	28	32	36	40

Answer Sheet

Multiplying by Five

Find the product.



$$\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 0 \\ \times 5 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 1 \\ \times 5 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$$



$$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$$



Fill in the multiplication chart.

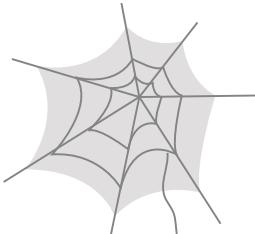


x	1	2	3	4	5	6	7	8	9	10
5	5	10	15	20	25	30	35	40	45	50

Answer Sheet

Multiplying by Six

Find the product.



$$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 6 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 10 \\ \times 6 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 6 \\ \times 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

Fill in the multiplication chart.



x	1	2	3	4	5	6	7	8	9	10
6	6	12	18	24	30	36	42	48	54	60



Answer Sheet

Multiplying by Seven

Find the product.

$$\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 7 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$$

Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
7	7	14	21	28	35	42	49	56	63	70

Answer Sheet

Multiplying by Eight

Find the product.

$$\begin{array}{r} 1 \\ \times 8 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 10 \\ \times 8 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 8 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
8	8	16	24	32	40	48	56	64	72	80

Answer Sheet

Multiplying by Nine

Find the product.



$$\begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 10 \\ \times 9 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$



Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
9	9	18	27	36	45	54	63	72	81	90

Answer Sheet

Multiplying by Ten

Find the product.

$10 \times 1 = 10$	$2 \times 10 = 20$	$10 \times 4 = 40$	$10 \times 3 = 30$
$4 \times 10 = 40$	$3 \times 10 = 30$	$10 \times 5 = 50$	$10 \times 7 = 70$
$10 \times 8 = 80$	$6 \times 10 = 60$	$10 \times 10 = 100$	$10 \times 2 = 20$
$9 \times 10 = 90$	$7 \times 10 = 70$	$10 \times 6 = 60$	$5 \times 10 = 50$

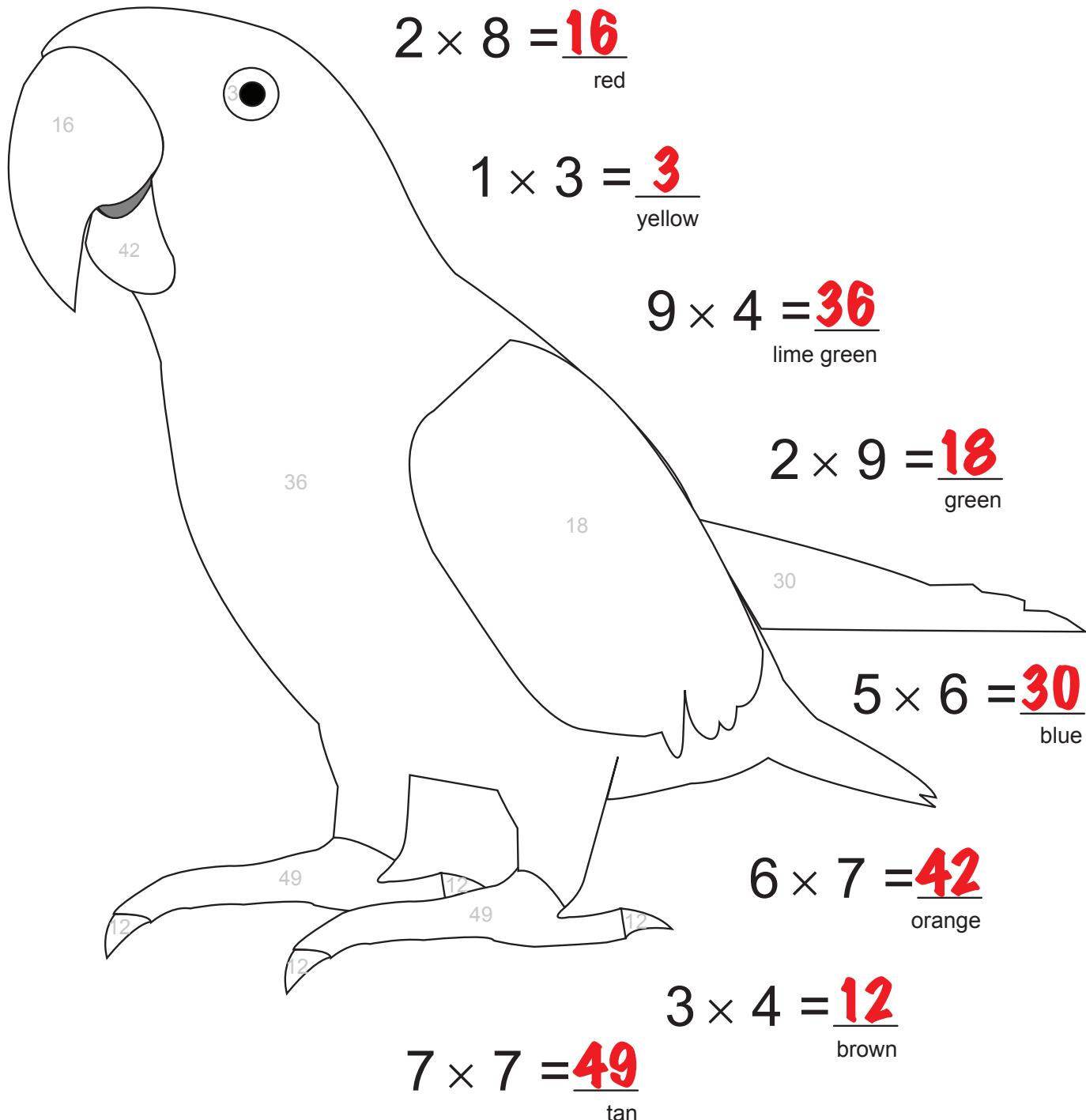
Fill in the multiplication chart.

x	1	2	3	4	5	6	7	8	9	10
10	10	20	30	40	50	60	70	80	90	100

Answer Sheet

Multiplication Color By Number

Once you have solved the multiplication problems on the right, you can color in the parrot using the color that is listed under each answer.



Answer Sheet

Multiplication Color By Number

Once you have solved the multiplication problems below, you can color in the chameleon using the color that is listed under each answer.

$$9 \times 2 = \underline{18}$$

pale yellow

$$7 \times 7 = \underline{49}$$

blue green

$$3 \times 8 = \underline{24}$$

forest green

$$4 \times 3 = \underline{12}$$

jade green

$$2 \times 7 = \underline{14}$$

rust

$$7 \times 6 = \underline{42}$$

tan

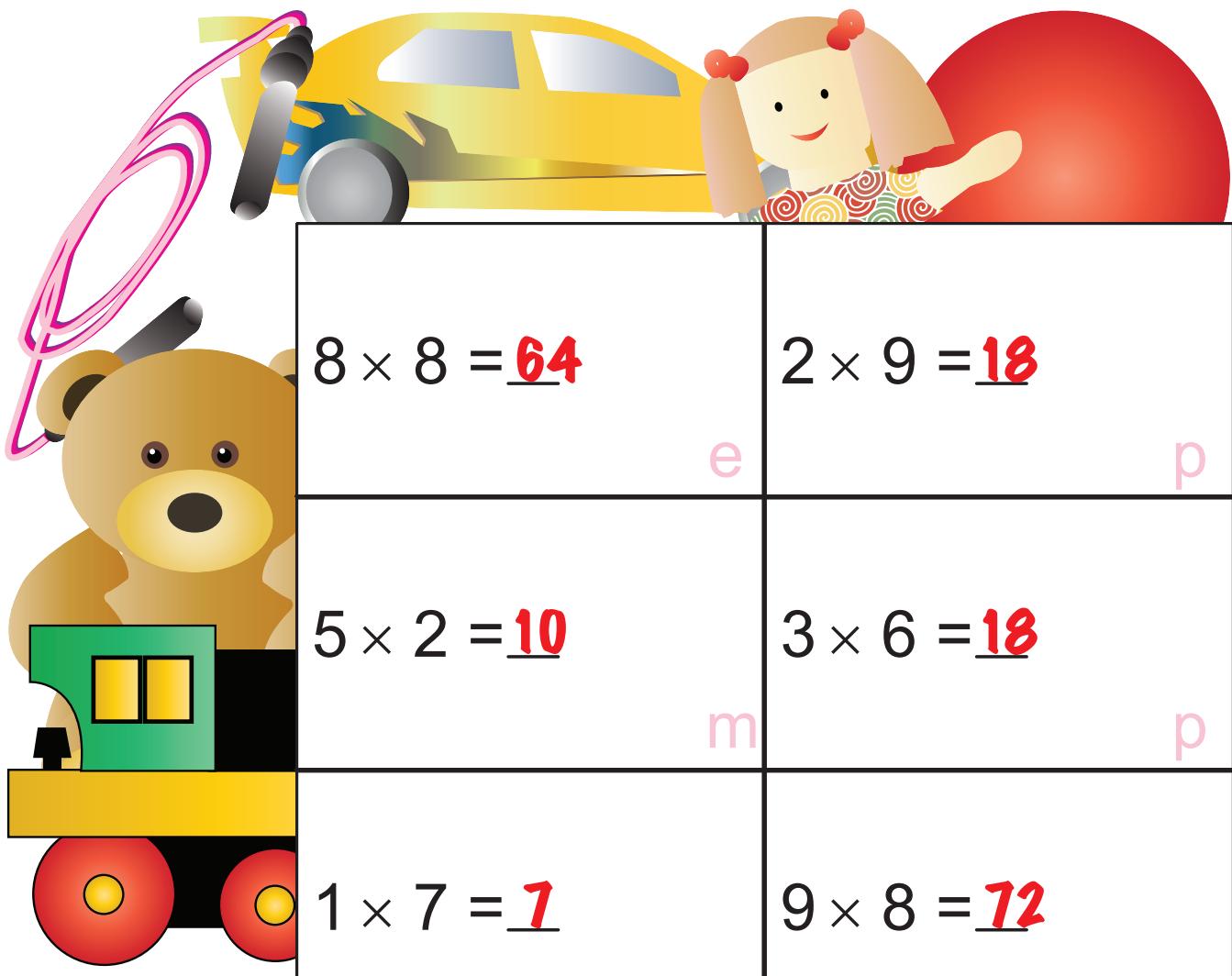
$$8 \times 6 = \underline{48}$$

brown

$$3 \times 9 = \underline{27}$$

cream

Answer Sheet



Toy Town Multiplication

Solve each multiplication problem. Then match the numbers beneath each mystery letter to your answers, and write the corresponding letter in each space. What kind of toy did you find?

J
6

U
7

M
10

P
18

R
21

O
72

P
18

E
64

Answer Sheet

Multiplication Color By Number

Once you have solved the multiplication problems below, you can color in the tree frog using the color that is listed under each answer.

$$2 \times 7 = \underline{14}$$

lavender

$$8 \times 9 = 72$$

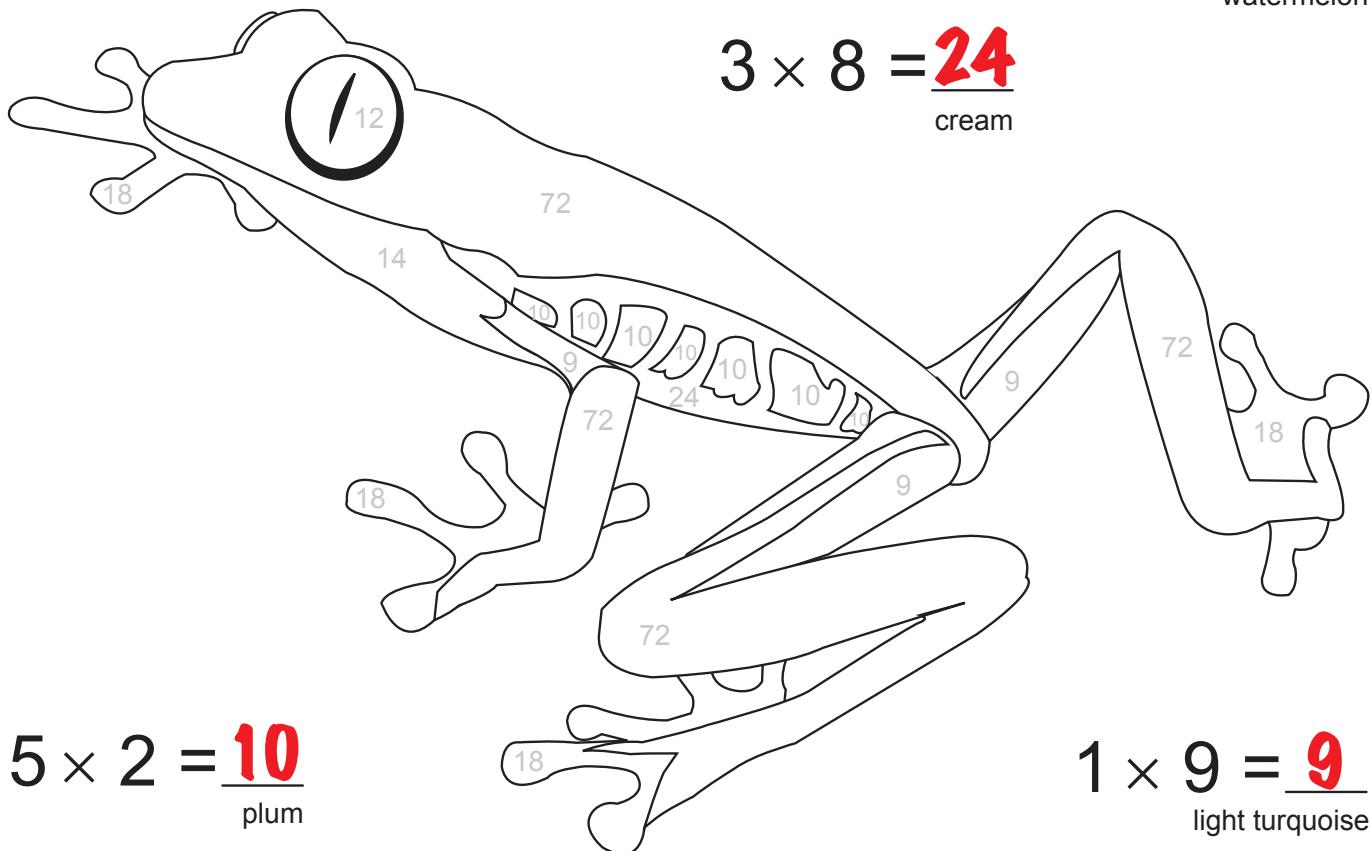
moss green

$$6 \times 3 = 18$$

watermelon

$$3 \times 8 = 24$$

cream



$$5 \times 2 = \underline{10}$$

plum

$1 \times 9 = \underline{9}$

light turquoise

$$6 \times 2 = \underline{12}$$

light pink

$$9 \times 2 = \underline{18}$$

watermelon

Answer Sheet

Multiplication Color By Number

Once you have solved the multiplication problems below, you can color in the butterfly using the color that is listed under each answer.

$$4 \times 9 = \underline{36}$$

apricot

$$2 \times 7 = \underline{14}$$

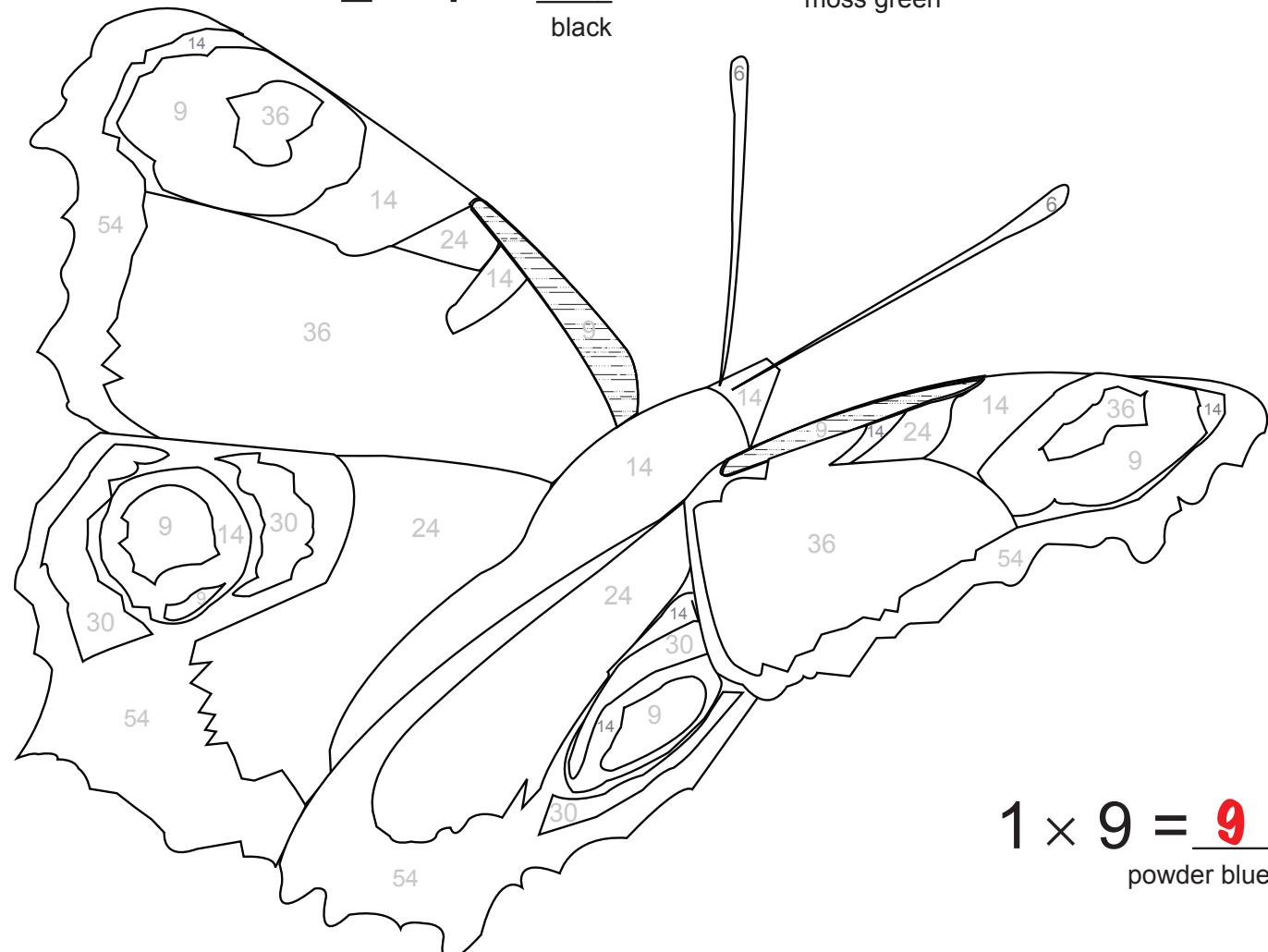
black

$$5 \times 6 = \underline{30}$$

moss green

$$3 \times 8 = \underline{24}$$

caramel



$$1 \times 9 = \underline{9}$$

powder blue

$$9 \times 4 = \underline{36}$$

apricot

$$9 \times 6 = \underline{54}$$

jade green

$$2 \times 3 = \underline{6}$$

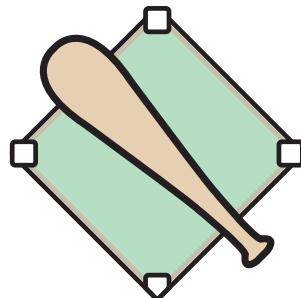
olive green

Answer Sheet

BASEBALL MULTIPLICATION #3



Batter up! Step up to the plate and swing for the fences. Solve the following multiplication problems and you'll be an All-Star!



$5 \times 2 = \underline{10}$

$7 \times 3 = \underline{21}$

$2 \times 2 = \underline{4}$

$7 \times 1 = \underline{7}$

$4 \times 3 = \underline{12}$

$8 \times 2 = \underline{16}$

$5 \times 5 = \underline{25}$

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

$2 \times 9 = \underline{18}$

$3 \times 3 = \underline{9}$

$5 \times 0 = \underline{0}$

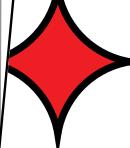
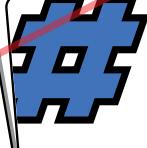
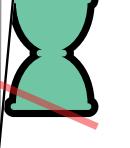
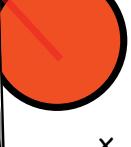
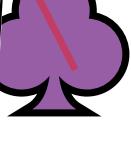
$8 \times 3 = \underline{24}$

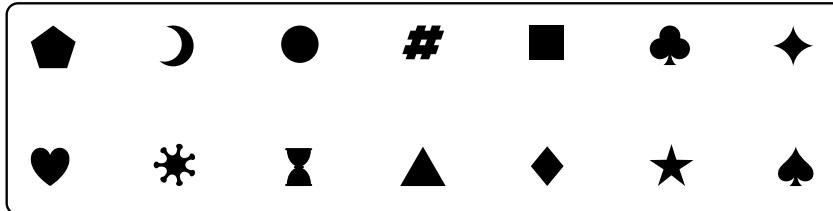
Answer Sheet

3rd
Grade

Multiplication Mix-Up

There are 7 pairs of matching cards. Solve the equations then draw a line between the cards with the matching answers.

 $\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$	 $\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$	 $\begin{array}{r} 14 \\ \times 2 \\ \hline 28 \end{array}$	 $\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$	 $\begin{array}{r} 12 \\ \times 7 \\ \hline 84 \end{array}$
 $\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$	 $\begin{array}{r} 16 \\ \times 4 \\ \hline 64 \end{array}$	 $\begin{array}{r} 10 \\ \times 6 \\ \hline 60 \end{array}$	 $\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$	 $\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$
 $\begin{array}{r} 14 \\ \times 6 \\ \hline 84 \end{array}$	 $\begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array}$	 $\begin{array}{r} 12 \\ \times 2 \\ \hline 24 \end{array}$	 $\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$	



Answer Sheet

Numbers Party!

All of the numbers are off partying! It's up to you to complete each equation by writing the missing digit or digits in the box.



$$3 \times \boxed{2} = 6$$

$$\boxed{8} \times 6 = 48$$

$$6 \times \boxed{3} = 18$$

$$\boxed{2} \times 4 = 8$$

$$\boxed{4} \times 8 = 32$$

$$10 \times 1 = \boxed{10}$$

$$4 \times \boxed{5} = 20$$

$$5 \times 6 = \boxed{30}$$

$$\boxed{7} \times 2 = 14$$

$$6 \times \boxed{0} = 0$$

$$9 \times \boxed{3} = 27$$

$$7 \times 8 = \boxed{56}$$

$$5 \times 5 = \boxed{25}$$

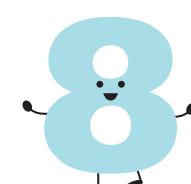
$$\boxed{6} \times 7 = 42$$

$$8 \times \boxed{8} = 64$$

$$6 \times 9 = \boxed{54}$$

$$7 \times \boxed{4} = 28$$

$$\boxed{9} \times 5 = 45$$



Answer Sheet

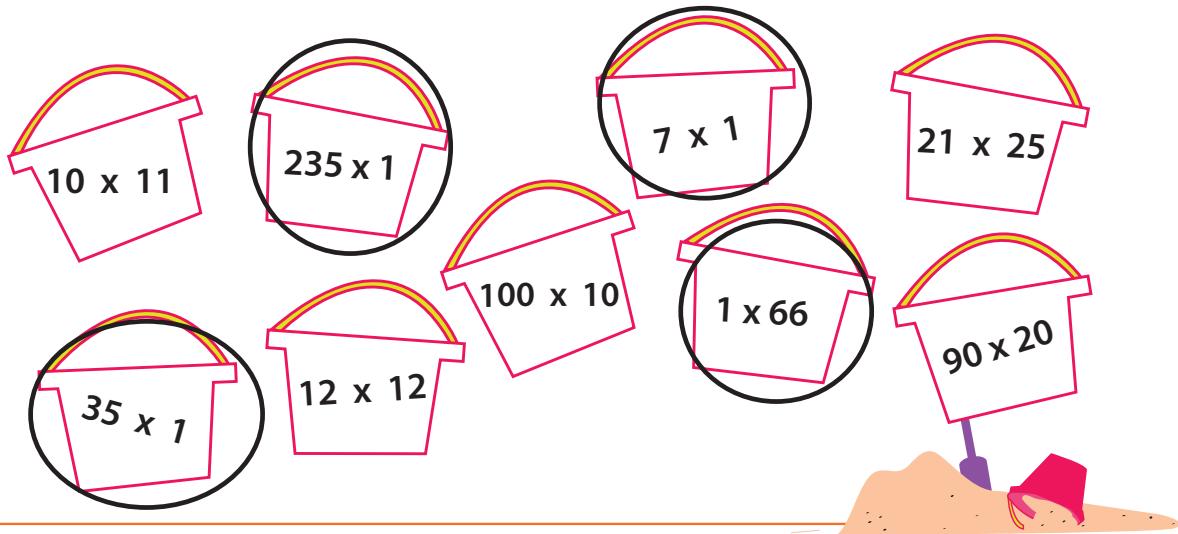


It's The Same!

One of the multiplication properties is *identity*, which means any number multiplied by 1 equals itself.

$$A \times 1 = A$$

Now color in the buckets that express the identity property.



Find the missing number. Notice the identity property.

$$\boxed{4} \times 1 = 4$$

$$0.75 \times \boxed{1} = 0.75$$

$$25 \times \boxed{1} = 25$$

$$\boxed{\frac{8}{14}} \times 1 = \frac{8}{14}$$

Find the products of these equations. Notice the identity property.

$$(68 + 15) \times 1 = \boxed{83}$$

$$(100 - 55) \times 1 = \boxed{45}$$

$$(3 + 20 + 11 + 4) \times 1 = \boxed{38}$$

Answer Sheet

Math

Multiplication

Commutative

One of the multiplication properties is *commutative*, which means that you can multiply numbers in any order and get the same product.

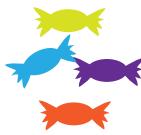
$$A \times B = B \times A$$

Find the missing number in the equations following the commutative property rule. Then answer the questions below.

$$7 \times 5 = 5 \times \boxed{7}$$

$$10 \times 11 = 11 \times \boxed{10}$$

Julia has four bags of candy. Each bag contains six pieces of candy. Draw the pieces in each bag. How many pieces does Julia have?



Julia has 24 pieces of candy.

Tommy has six bags of candies. Each bag contains five pieces of candy. Draw the pieces in each bag. How many pieces does Tommy have?



Tommy has 30 pieces of candy.

Write the multiplication equations for Julia and Tommy's candy using the commutative property.

$$\boxed{4} \times \boxed{6} = \boxed{6} \times \boxed{4}$$

$$\boxed{6} \times \boxed{5} = \boxed{5} \times \boxed{6}$$

Answer Sheet

Math
Multiplication

It's Associative!

One of the multiplication properties is *associative*, which means you can group the factors in a multiplication equation and still get the same product.

$$A \times (B \times C) = (A \times B) \times C$$

Find the missing number according to the associative property.

$$4 \times (3 \times 2) = (4 \times 3) \times 2$$

$$6 \times (2 \times 5) = (6 \times 2) \times 5$$

$$(20 \times 5) \times 11 = 20 \times (11 \times 5)$$

Find the product of these numbers.

$$7 \times (2 \times 1) = 14$$

$$2 \times (7 \times 1) = 14$$

$$10 \times (3 \times 4) = 10 \times 12 = 120$$

$$(10 \times 3) \times 4 = 30 \times 4 = 120$$

When you group the factors differently, do the two equations have the same product?

YES

