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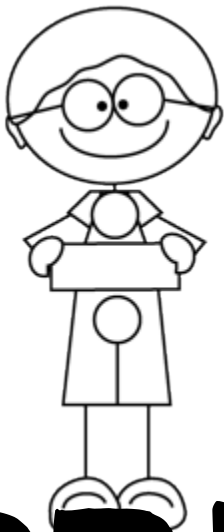
Answer Keys

- Pgs. 55–77

not included for problems
where answers will vary

Division

Separating something into equal parts.



By:

PREVIEW

Quotient

The answer to a division problem.

$$12 \div 4 = 3$$



Circle the quotient in the division problem below.

$$35 \div 7 = 5$$

Dividend

The total number of items in a division problem.

$$12 \div 4 = 3$$



Circle the dividend in the division problem below.

Divisor

The number the dividend is being divided by.

$$12 \div 4 = 3$$



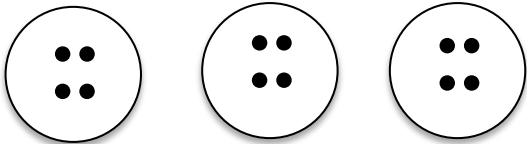
Circle the divisor in the division problem below.

$$35 \div 7 = 5$$

Grouping Model

Shows the number of groups and the number in each group.

$$12 \div 4 = 3$$

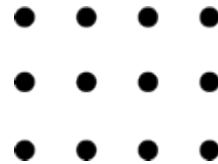


Make a grouping model for $15 \div 3$.

Array

Models a division problem with rows and columns.

$$12 \div 4 = 3$$



Make an array for $15 \div 3$.

PREVIEW

Repeated Subtraction

Shows the relationship between division and subtraction.

$$12 \div 4 = 3$$

$$12 - 4 - 4 - 4$$

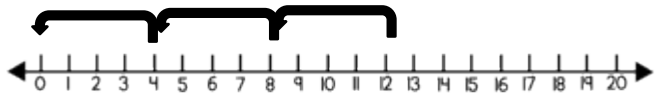
Subtract four three times.

Show how to use repeated subtraction to divide $15 \div 3$.

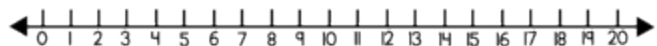
Number Line

Shows how to skip count to divide.

$$12 \div 4 = 3$$



Show how to use a number line to divide $15 \div 3$.



Color the Array

[illegible]

PREVIEW

[illegible]

[illegible]

Name _____

Draw the Array

Draw an array to model each division fact.



$$35 \div 5 =$$

$$24 \div 4 =$$

PREVIEW

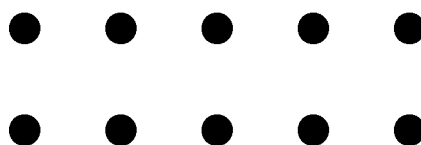
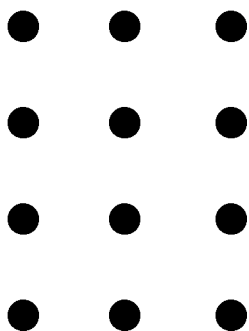
$$14 \div 7 =$$

$$32 \div 4 =$$

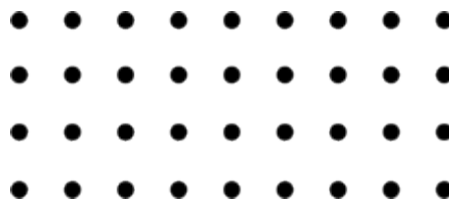
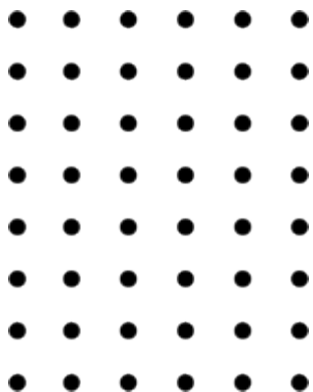
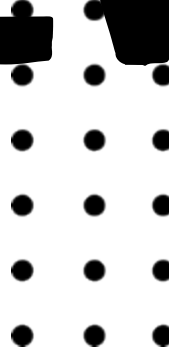
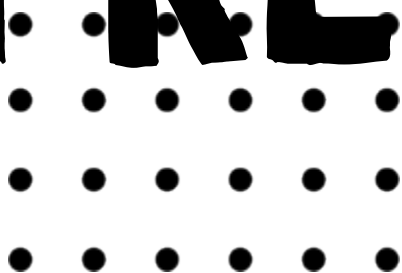
Name _____

Read the Array

Write a division fact for each array.



PREVIEW



Name _____

Draw a **Grouping Model**

Represent each division fact with a grouping model.



$$28 \div 7 =$$

$$25 \div 5 =$$

$$21 \div 3 =$$

$$12 \div 4 =$$

PREVIEW

$$20 \div 4 =$$

$$18 \div 2 =$$

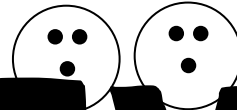
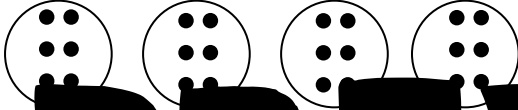
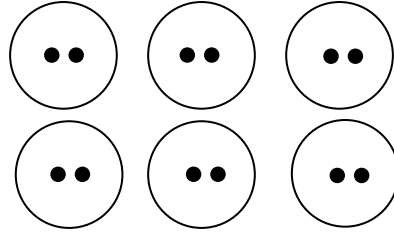
$$32 \div 8 =$$

$$20 \div 4 =$$

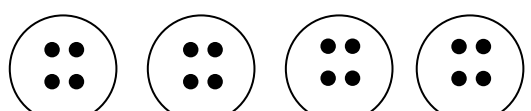
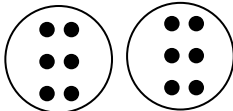
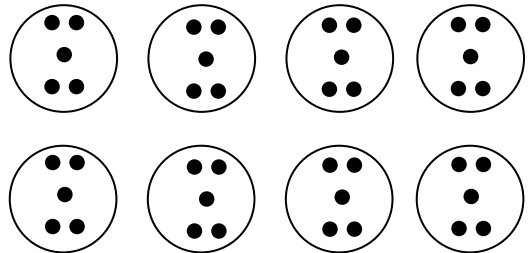
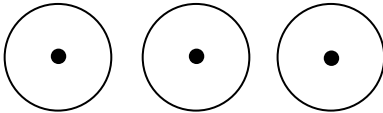
Name _____

Read a Grouping Model

What division fact represents each grouping model?



PREVIEW



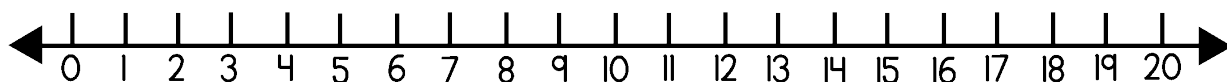
Name _____



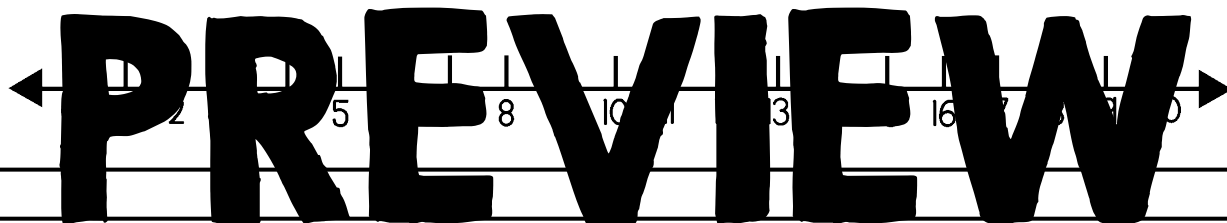
Complete a Number Line

Model each division fact on the number lines.

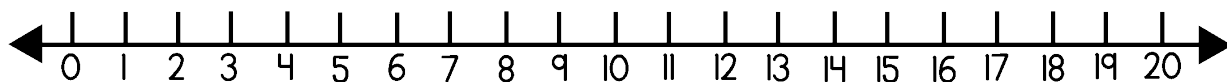
$$15 \div 5$$



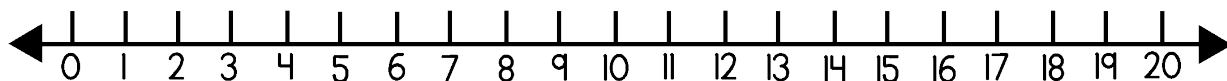
$$16 \div 2$$



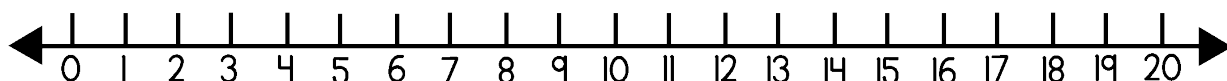
$$16 \div 4$$



$$8 \div 2$$



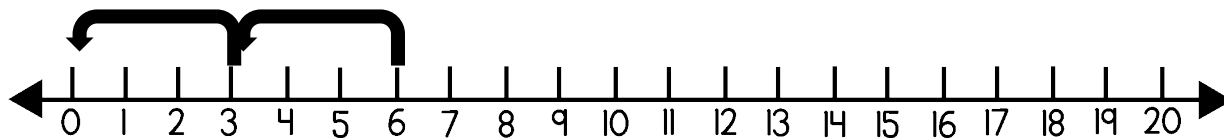
$$18 \div 9$$



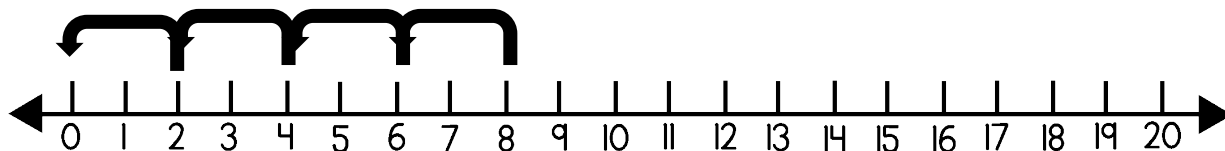
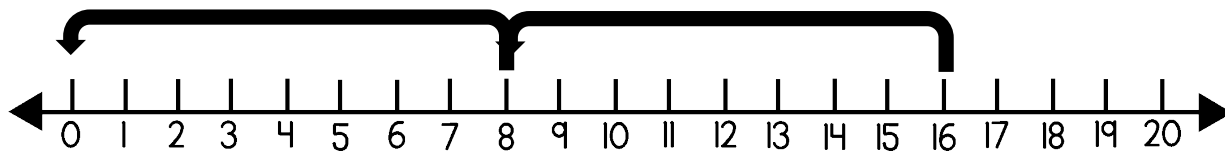
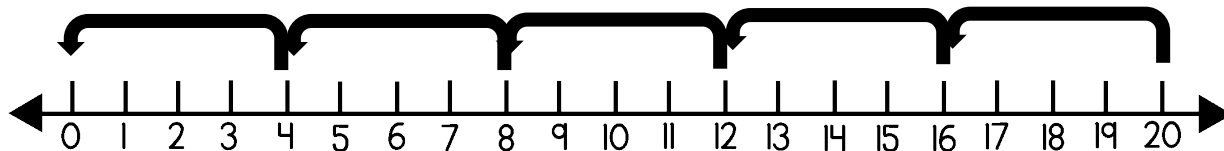
Name _____

Read a Number Line

Write a division fact for each model of division of the number lines below.



PREVIEW



Name _____



Repeated Subtraction Number Sentences

Represent each division fact with repeated subtraction.

$$21 \div 7 =$$

$$20 \div 5 =$$

$$24 \div 3 =$$

$$24 \div 4 =$$

PREVIEW

$$16 \div 4 =$$

$$16 \div 2 =$$

$$36 \div 9 =$$

$$28 \div 4 =$$

Name _____

Repeated Subtraction Number Sentences

Write a division fact for each repeated subtraction problem.



$$35-7-7-7-7-7=$$

$$20-4-4-4-4-4=$$

$$14-7-7=$$

$$18-2-2-2-2-2-2-2-2=$$

PREVIEW

$$15-5-5-5=$$

$$24-6-6-6-6=$$

$$32-8-8-8-8=$$

$$54-9-9-9-9-9-9=$$

Name _____

Representing Division

Grouping Model:

Repeated Subtraction:

Equation

$$18 \div 6 =$$

Array:

Number Line:

PREVIEW

Grouping Model:

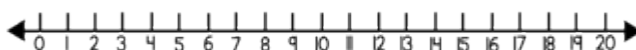
Repeated Subtraction:

Equation

$$20 \div 4 =$$

Array:

Number Line:



Name _____

Understanding Division

Grouping Model:

Repeated Subtraction:

Equation

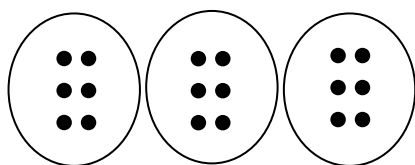
$$12 \div 3 =$$

Array:

Number Line:

PREVIEW

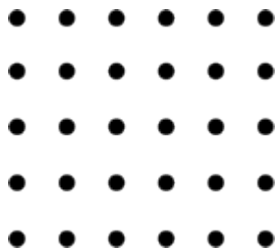
Grouping Model:



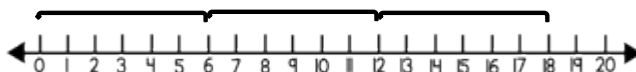
Repeated Subtraction:

$$15 - 3 - 3 - 3 - 3 - 3 =$$

Array:



Number Line:



Name _____

Color by Number

Directions: Color the picture using the key below.

Quotients of:
2-brown
3-blue
4-red
5-yellow

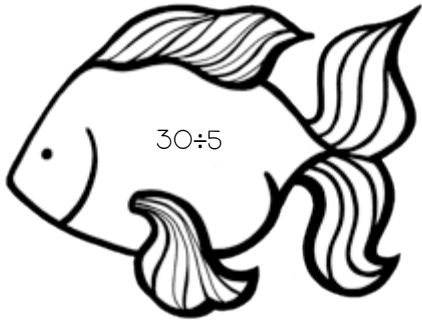
PREVIEW



Name _____

Color by Number

Directions: Color the picture using the key below.

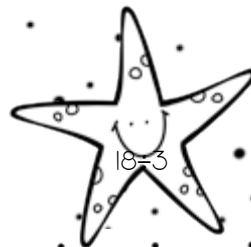
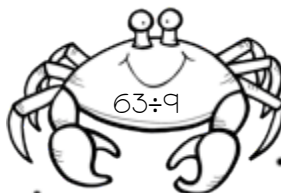


Quotients of:
6-orange
7-purple
8-green
9-blue

PREVIEW



$81 \div 9$



Name _____

Color by Number

Directions: Color the picture using the key below.



Divisor of:

3-blue

4-red

5-purple

6-green

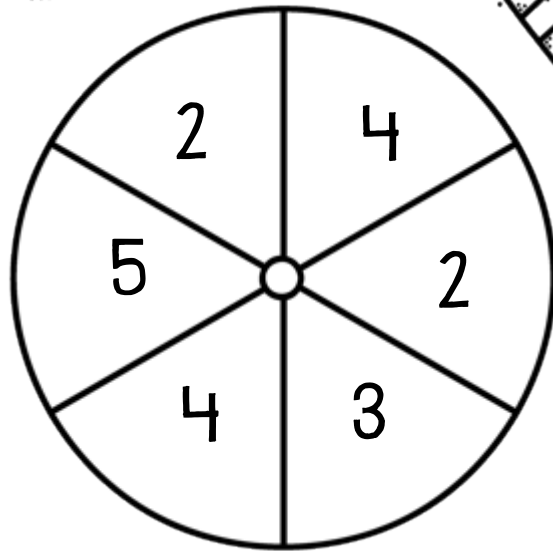
7-yellow

Name _____

SPIN and COLOR

Quotients of 5 and Less

Use a paperclip and pencil to make a spinner. Spin one time and find a division fact with a quotient of the number spun. Color the box. If playing with a partner, the first person to color three in a row wins!



$18 \div 9 =$

$36 \div 9 =$

$10 \div 5 =$

$27 \div 9 =$

$5 \div 1 =$

PREVIEW

$45 \div 9 =$

$14 \div 7 =$

$24 \div 6 =$

$18 \div 3 =$

$24 \div 8 =$

$32 \div 8 =$

$25 \div 5 =$

$12 \div 6 =$

$20 \div 5 =$

$40 \div 8 =$

$21 \div 7 =$

$28 \div 7 =$

$35 \div 7 =$

$8 \div 4 =$

$12 \div 3 =$

$4 \div 2 =$

$18 \div 6 =$

$30 \div 6 =$

$16 \div 4 =$

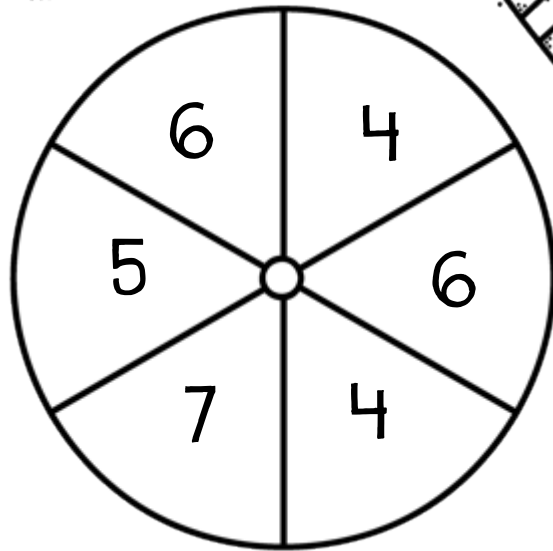
$16 \div 8 =$

Name _____

SPIN and COLOR

Quotients of 4-7

Use a paperclip and pencil to make a spinner. Spin one time and find a division fact with a quotient of the number spun. Color the box. If playing with a partner, the first person to color three in a row wins!



$12 \div 3 =$

$54 \div 9 =$

$36 \div 9 =$

$42 \div 6 =$

$30 \div 6 =$

$48 \div 8 =$

$32 \div 4 =$

$42 \div 7 =$

$44 \div 4 =$

$65 \div 5 =$

$28 \div 7 =$

$36 \div 6 =$

$24 \div 6 =$

$56 \div 8 =$

$40 \div 8 =$

$30 \div 5 =$

$20 \div 5 =$

$24 \div 4 =$

$16 \div 4 =$

$63 \div 9 =$

$45 \div 9 =$

$18 \div 3 =$

$12 \div 3 =$

$12 \div 2 =$

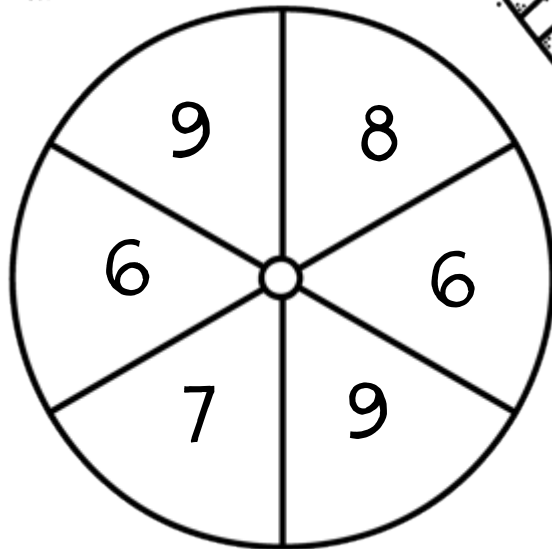
$8 \div 2 =$

Name _____

SPIN and COLOR

Quotients of 6-9

Use a paperclip and pencil to make a spinner. Spin the spinner two times and multiply the numbers together. Color the product. If playing with a partner, the first person to color three in a row wins!



$40 \div 5 =$

$30 \div 5 =$

$63 \div 7 =$

$63 \div 9 =$

$12 \div 2 =$

PREVIEW

$81 \div 9 =$

$48 \div 8 =$

$30 \div 6 =$

$54 \div 9 =$

$56 \div 8 =$

$42 \div 7 =$

$45 \div 5 =$

$56 \div 7 =$

$18 \div 3 =$

$36 \div 4 =$

$49 \div 7 =$

$48 \div 8 =$

$18 \div 2 =$

$64 \div 8 =$

$24 \div 4 =$

$27 \div 3 =$

$42 \div 6 =$

$54 \div 9 =$

$72 \div 8 =$

$72 \div 9 =$

Name _____

Division Graphing



Directions: Solve each division problem. Fill out the graph below to show how many times each quotient appeared.

$12 \div 4 =$

$20 \div 5 =$

$8 \div 4 =$

$25 \div 5 =$

$6 \div 3 =$

$24 \div 12 =$

$16 \div 8 =$

$10 \div 2 =$

$32 \div 8 =$

$14 \div 7 =$

$20 \div 4 =$

$12 \div 6 =$

$15 \div 3 =$

$24 \div 6 =$

$50 \div 10 =$

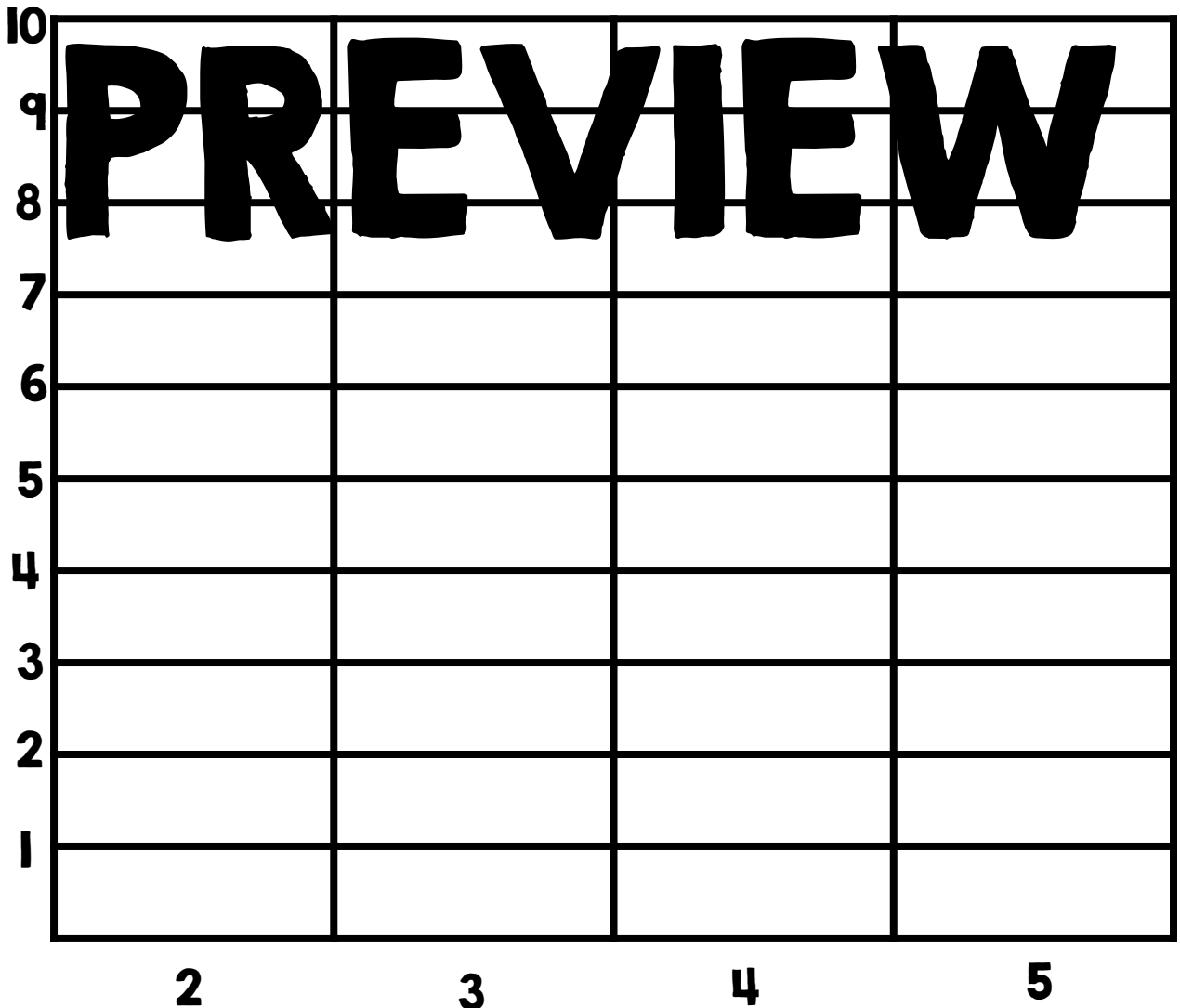
$24 \div 8 =$

$16 \div 4 =$

$24 \div 6 =$

$12 \div 6 =$

$28 \div 7 =$



Name _____



Division Graphing

Directions: Solve each division problem. Fill out the graph below to show how many times each quotient appeared.

$40 \div 5 =$

$36 \div 4 =$

$36 \div 6 =$

$49 \div 7 =$

$56 \div 7 =$

$12 \div 2 =$

$45 \div 5 =$

$54 \div 9 =$

$32 \div 4 =$

$64 \div 8 =$

$30 \div 5 =$

$63 \div 9 =$

$63 \div 7 =$

$64 \div 8 =$

$18 \div 2 =$

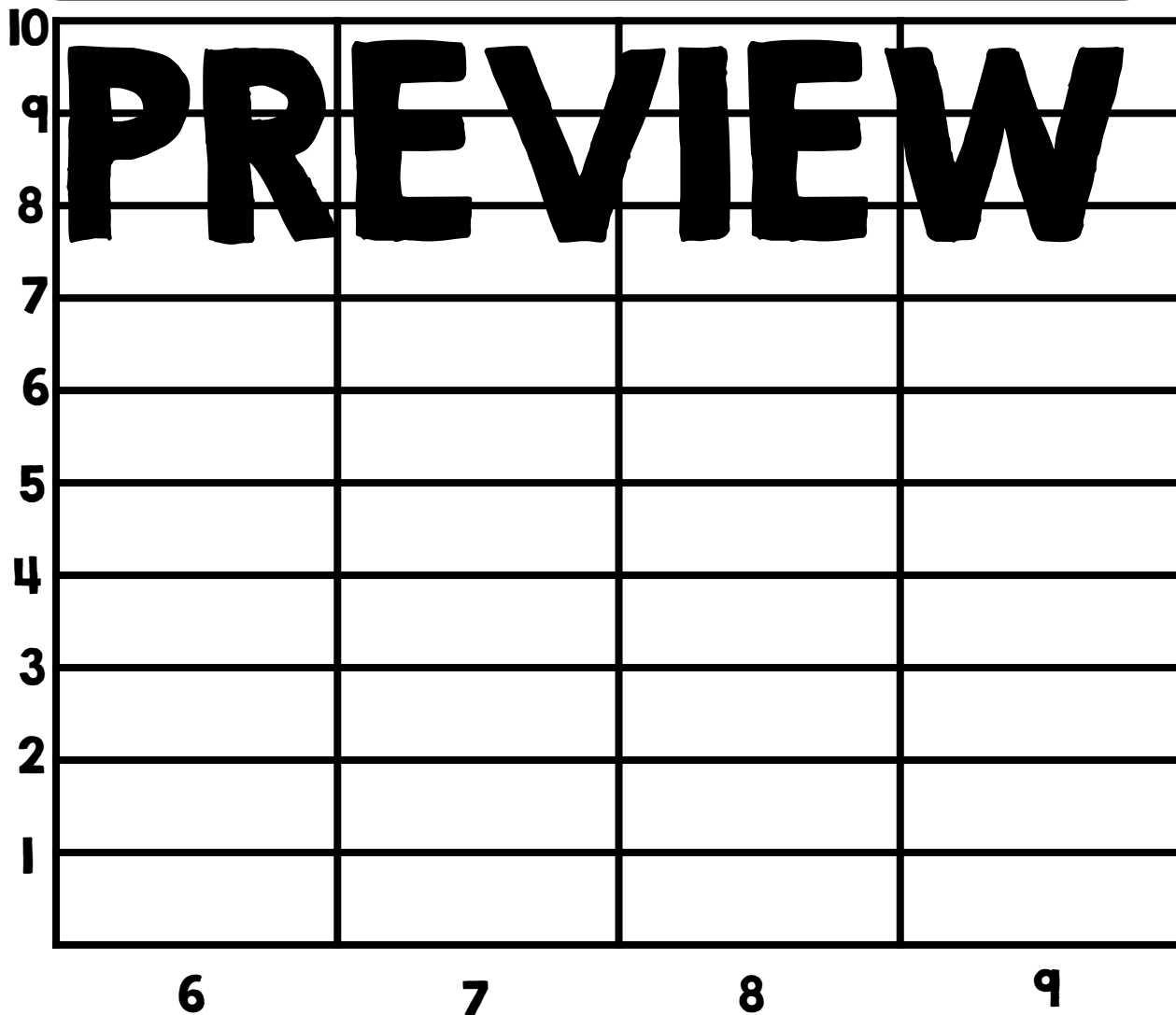
$24 \div 3 =$

$24 \div 4 =$

$48 \div 6 =$

$27 \div 3 =$

$42 \div 6 =$



Name _____

Division Graphing



Directions: Solve each division problem. Fill out the graph below to show how many times each divisor appeared.

$12 \div \underline{\quad} = 3$

$20 \div \underline{\quad} = 4$

$16 \div \underline{\quad} = 4$

$4 \div \underline{\quad} = 2$

$12 \div \underline{\quad} = 6$

$12 \div \underline{\quad} = 6$

$16 \div \underline{\quad} = 8$

$10 \div \underline{\quad} = 5$

$27 \div \underline{\quad} = 9$

$12 \div \underline{\quad} = 4$

$20 \div \underline{\quad} = 5$

$12 \div \underline{\quad} = 6$

$24 \div \underline{\quad} = 12$

$25 \div \underline{\quad} = 5$

$14 \div \underline{\quad} = 7$

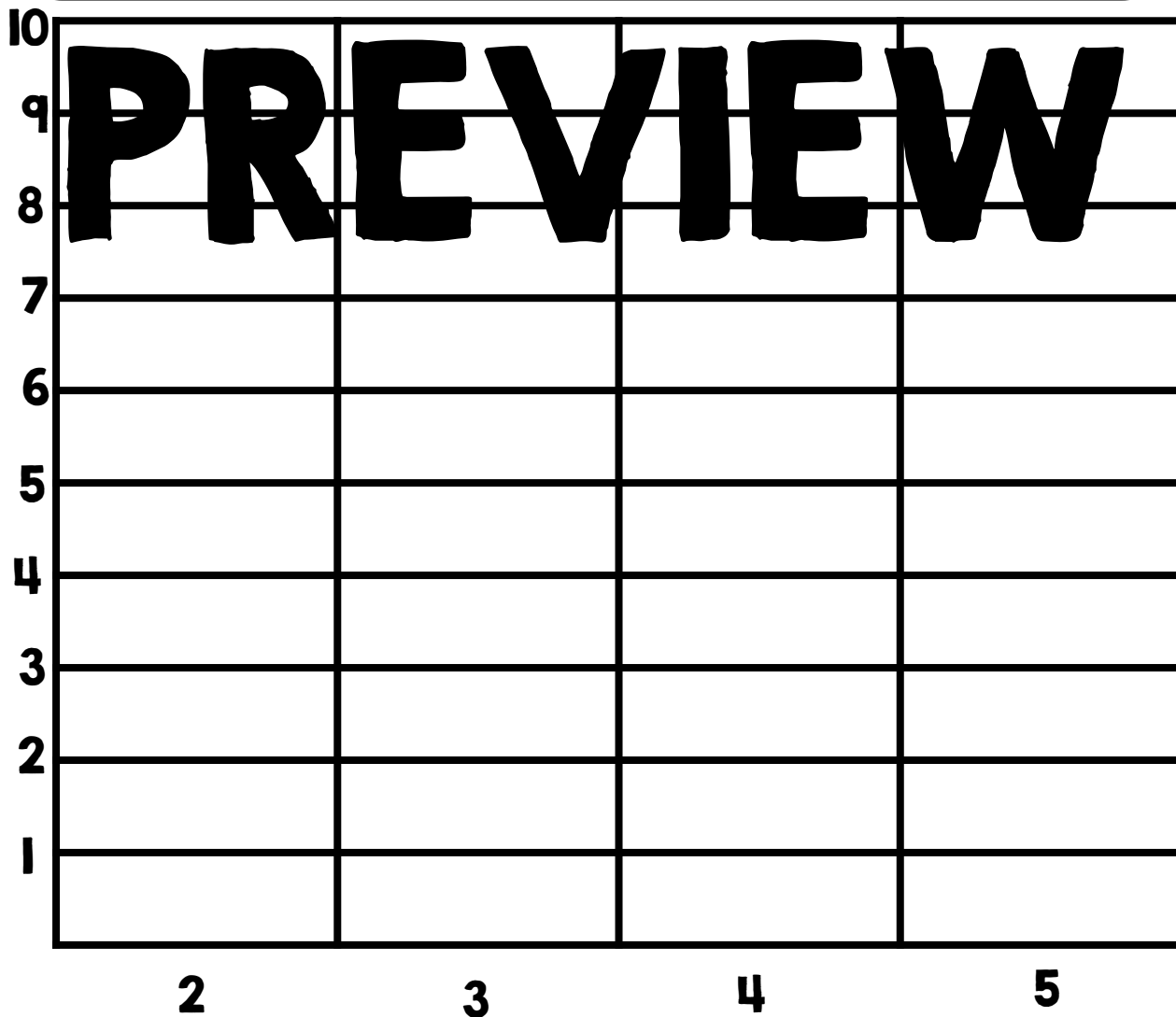
$24 \div \underline{\quad} = 8$

$24 \div \underline{\quad} = 6$

$24 \div \underline{\quad} = 6$

$30 \div \underline{\quad} = 6$

$12 \div \underline{\quad} = 4$



Name _____



Division Graphing

Directions: Solve each division problem. Fill out the graph below to show how many times each divisor appeared.

$40 \div \underline{\quad} = 5$

$36 \div \underline{\quad} = 4$

$36 \div \underline{\quad} = 6$

$49 \div \underline{\quad} = 7$

$54 \div \underline{\quad} = 6$

$24 \div \underline{\quad} = 3$

$40 \div \underline{\quad} = 5$

$36 \div \underline{\quad} = 4$

$36 \div \underline{\quad} = 4$

$64 \div \underline{\quad} = 8$

$30 \div \underline{\quad} = 5$

$24 \div \underline{\quad} = 3$

$45 \div \underline{\quad} = 5$

$36 \div \underline{\quad} = 6$

$72 \div \underline{\quad} = 9$

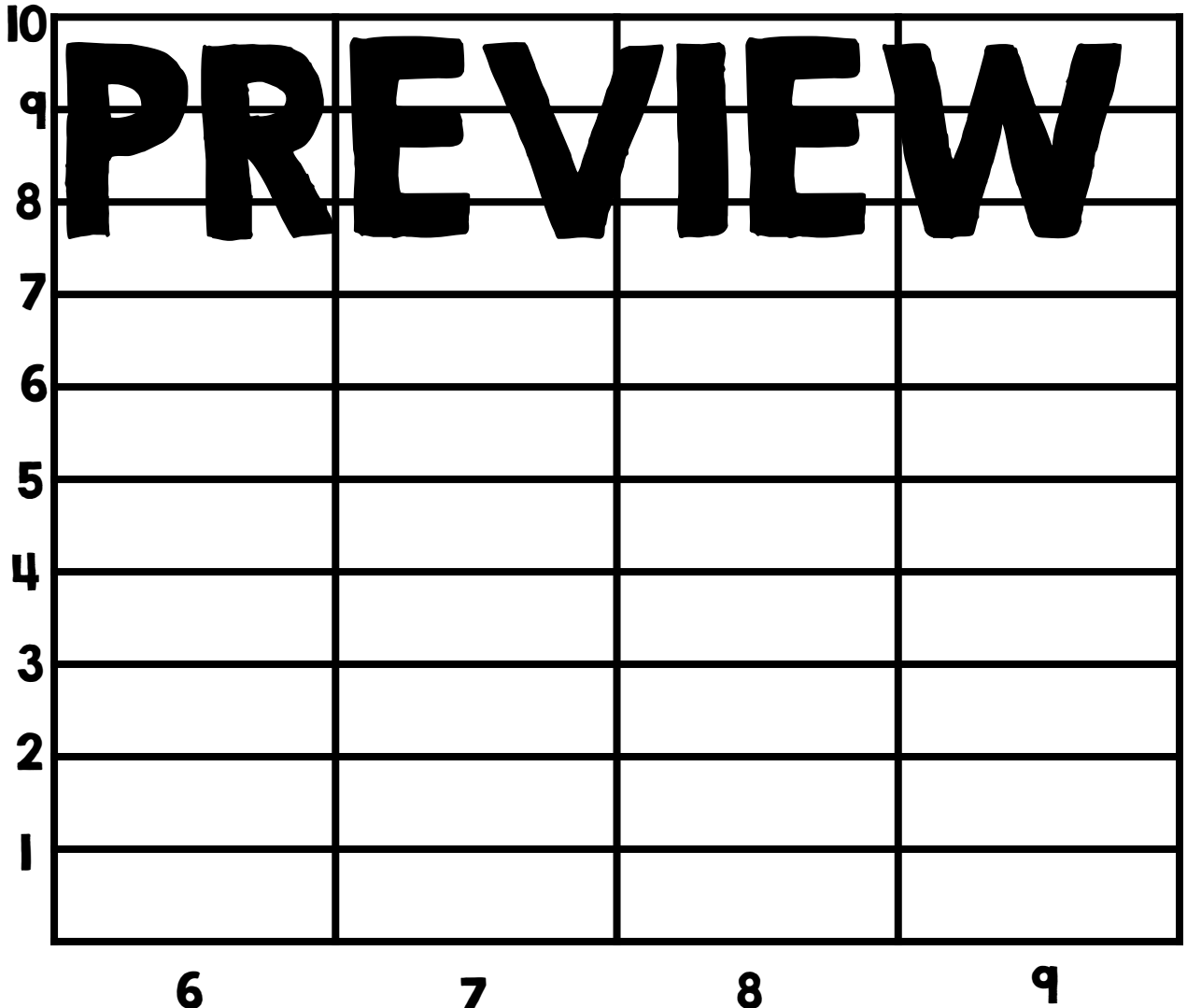
$32 \div \underline{\quad} = 4$

$24 \div \underline{\quad} = 4$

$42 \div \underline{\quad} = 6$

$40 \div \underline{\quad} = 5$

$63 \div \underline{\quad} = 9$



Name _____

ROLL AND COLOR

Multiples of Two



Directions: Each player chooses a different color crayon. Take turns and roll two dice. Add the two numbers together. Then find a division problem that has that sum for its quotient. The first person to color three in a row wins!

$24 \div 2 =$	$14 \div 2 =$	$4 \div 2 =$	$24 \div 2 =$	$10 \div 2 =$	$8 \div 2 =$
$20 \div 2 =$	$8 \div 2 =$	$12 \div 2 =$	$2 \div 2 =$	$4 \div 2 =$	$4 \div 2 =$
$16 \div 2 =$	$20 \div 2 =$	$10 \div 2 =$	$2 \div 2 =$	$24 \div 2 =$	$22 \div 2 =$
$6 \div 2 =$	$18 \div 2 =$	$20 \div 2 =$	$6 \div 2 =$	$18 \div 2 =$	$16 \div 2 =$
$16 \div 2 =$	$8 \div 2 =$	$20 \div 2 =$	$14 \div 2 =$	$4 \div 2 =$	$18 \div 2 =$
$12 \div 2 =$	$14 \div 2 =$	$10 \div 2 =$	$22 \div 2 =$	$24 \div 2 =$	$2 \div 2 =$

Name _____

ROLL AND COLOR



Multiples of Three

Directions: Each player chooses a different color crayon. Take turns and roll two dice. Add the two numbers together. Then find a division problem that has that sum for its quotient. The first person to color three in a row wins!

$36 \div 3 =$	$18 \div 3 =$	$30 \div 3 =$	$12 \div 3 =$	$27 \div 3 =$	$9 \div 3 =$
$6 \div 3 =$	$22 \div 3 =$	$15 \div 3 =$	$27 \div 3 =$	$9 \div 3 =$	$24 \div 3 =$
$21 \div 3 =$	$3 \div 3 =$	$30 \div 3 =$	$12 \div 3 =$	$24 \div 3 =$	$6 \div 3 =$
$36 \div 3 =$	$18 \div 3 =$	$3 \div 3 =$	$27 \div 3 =$	$9 \div 3 =$	$21 \div 3 =$
$33 \div 3 =$	$18 \div 3 =$	$36 \div 3 =$	$15 \div 3 =$	$24 \div 3 =$	$6 \div 3 =$
$36 \div 3 =$	$15 \div 3 =$	$12 \div 3 =$	$33 \div 3 =$	$3 \div 3 =$	$21 \div 3 =$

Name _____

FIND THE FACT FAMILY



Directions: Roll three dice and record the numbers. Use the three numbers to create a multiplication and division fact family.

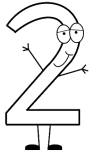
Numbers Rolled			
Die 1 ____	Die 2 ____	Die 3 ____	
Fact Family			

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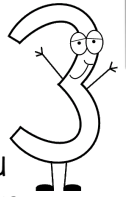
Division Jump



- Play this game with a partner (each partner needs 8 counters).
- Roll one die (nine-sided) and find an equation with a quotient of that number.
- Cover the product with a counter. If your partner is already on that color, you can BUMP your partner's counter and take their space. (Your partner can take back the counter to try to use it again).
- If you find a quotient you already have covered with your counter, you can stack a new one on top of it!
- Once a number has two counters on top of it, that number can no longer be BUMPED.
- The first player to use all of their counters wins.



Division Jump



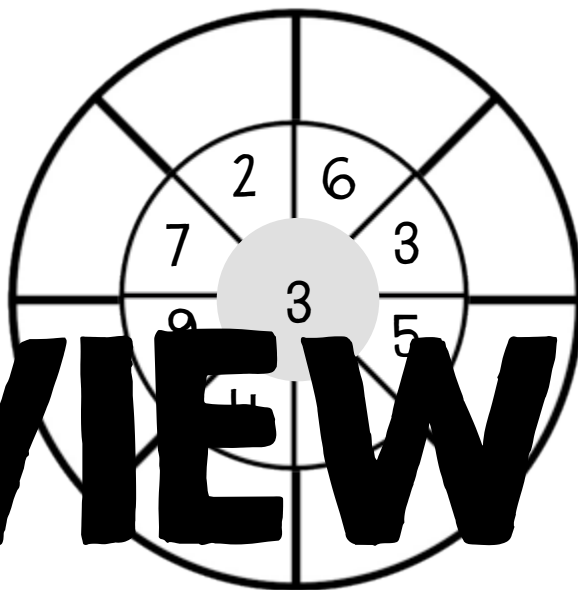
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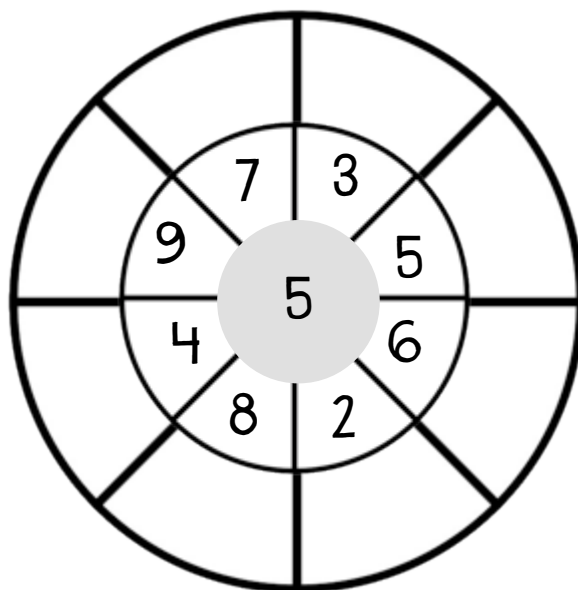
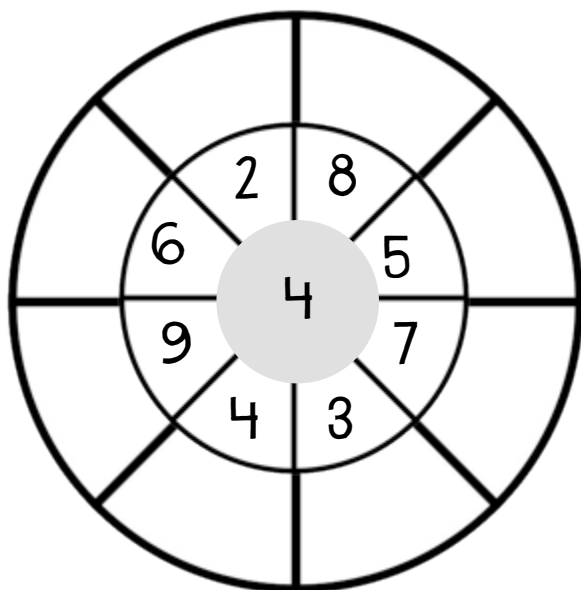
Name _____

Finish the Fact

The number in the center circle is the quotient. The numbers in the middle section are the divisors. What are the missing dividends?



PREVIEW



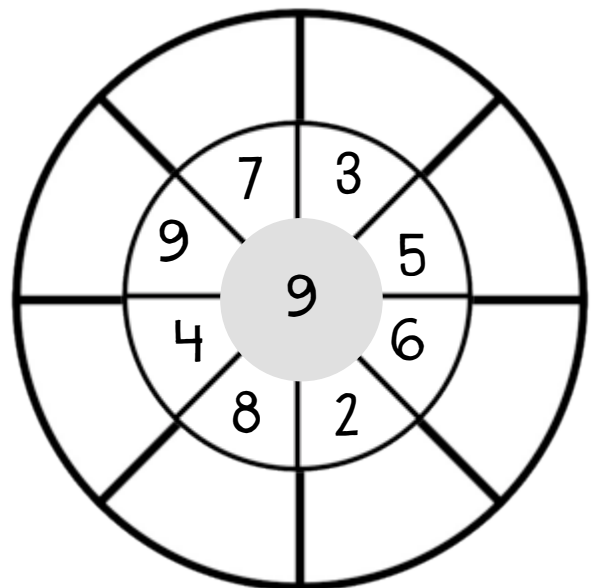
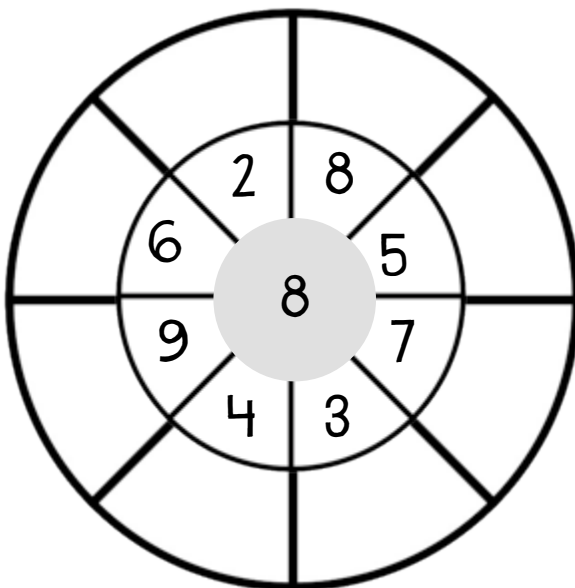
Name _____

Finish the Fact

The number in the center circle is the quotient. The numbers in the middle section are the divisors. What are the missing dividends?



PREVIEW



Name _____

Comparing Numbers

Compare the equations with a $<$, $>$, $=$ symbol.

$9 \square 15 \div 5$

$12 \div 3 \square 5$

$3 \square 25 \div 5$

$14 \div 2 \square 10$

$9 \square 18 \div 2$

$28 \div 7 \square 3$

PREVIEW

$36 \div 6 \square 6$

$7 \square 63 \div 9$

$48 \div 8 \square 5$

$7 \square 81 \div 9$

$15 \div 5 \square 12$

$4 \square 42 \div 6$

$42 \div 7 \square 4$

$5 \square 30 \div 5$

$5 \square 63 \div 9$

$4 \square 40 \div 8$

$36 \div 9 \square 4$

$9 \square 27 \div 3$

Name _____

Comparing Quotients

Compare the equations with a $<$, $>$, $=$ symbol.

$24 \div 4$ $15 \div 5$

$12 \div 3$ $15 \div 3$

$20 \div 2$ $20 \div 5$

$21 \div 3$ $24 \div 6$

$18 \div 3$ $18 \div 2$

$28 \div 7$ $30 \div 5$

PREVIEW

$36 \div 6$ $35 \div 5$

$81 \div 9$ $63 \div 9$

$24 \div 4$ $24 \div 12$

$72 \div 8$ $81 \div 9$

$15 \div 5$ $24 \div 6$

$63 \div 9$ $64 \div 8$

$42 \div 7$ $45 \div 9$

$40 \div 10$ $45 \div 5$

$72 \div 8$ $63 \div 9$

$40 \div 10$ $20 \div 4$

$36 \div 9$ $36 \div 4$

$24 \div 4$ $27 \div 3$

Name _____

Missing Numbers

Find the missing number in the multiplication equations.



$_____ \div 6 = 6$

$15 \div _____ = 3$

$8 \div 4 = _____$

$7 = _____ \div 3$

$3 = _____ \div 6$

$_____ = 28 \div 7$

PREVIEW

$_____ = 35 \div 5$

$9 = 63 \div _____$

$_____ = 24 \div 6$

$_____ \div 8 = 9$

$18 \div _____ = 3$

$49 \div 7 = _____$

$6 = _____ \div 7$

$4 = 8 \div _____$

$28 \div 4 = _____$

$_____ \div 4 = 6$

$72 \div _____ = 8$

$27 \div 3 = _____$

Name _____

Input-Output Tables

Complete the input-output tables below.



Rule: divide by 2

input	output
4	
6	
8	
10	
12	

Rule: divide by 5

input	output
10	
20	
30	
40	
50	

Rule: divide by 4

input	output
16	
20	
24	
28	
32	

PREVIEW

input	output
6	2
9	3
12	
15	
18	

input	output
15	3
20	
25	5
30	
35	

input	output
90	9
80	
70	
60	6
50	5

Name _____

Cut & Paste Division

Cut out and glue the fact families to match the number in the box.



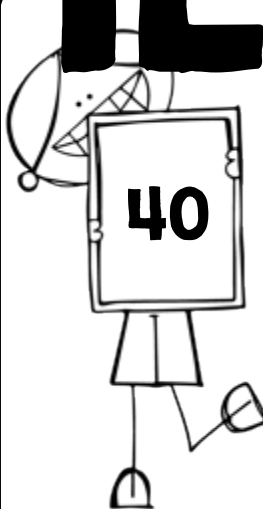
$$12 \div 3 = 4$$



24



36



40

PREVIEW

$$4 \times 9 = 36$$

$$3 \times 4 = 12$$

$$40 \div 5 = 8$$

$$36 \div 4 = 9$$

$$3 \times 8 = 24$$

$$40 \div 8 = 5$$

$$9 \times 4 = 36$$

$$24 \div 3 = 8$$

$$12 \div 3 = 4$$

$$8 \times 5 = 40$$

$$12 \div 4 = 3$$

$$8 \times 3 = 24$$

$$5 \times 8 = 40$$





$$24 \div 8 = 3$$

$$36 \div 9 = 4$$

Name _____

Cut & Paste Repeated Subtraction

Cut out and glue the repeated subtraction number sentences to match division problems with the quotient in the box..

PREVIEW

24-6-6-6-6	24-8-8-8	20-4-4-4-4-4	30-6-6-6-6-6	16-8-8	15-3-3-3-3-3
27-9-9-9	14-7-7	28-7-7-7-7	15-5-5-5	36-9-9-9-9	20-10-10

Name _____

Division Word Problems



Solve each word problem with a number sentence and a picture.

There are 24 pencils evenly placed on six desks. How many pencils are at each desk?

There were 36 erasers equally placed in nine jars. How many erasers were in each jar?

PREVIEW

There are 18 markers placed in three boxes. How many markers are in each box?

There are 12 gel pens given to two groups of students. How many gel pens did each group of students receive?

Name _____

Division Word Problems



Solve each word problem with a number sentence and a picture.

I had 36 carrots to feed my rabbits. If I gave the rabbits four carrots each day, how many days did I feed the rabbits a carrot?

There were 54 pictures to put in a photo book. If I placed six pictures on a page, how many pages of pictures did I fill?

PREVIEW

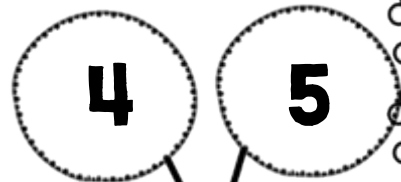
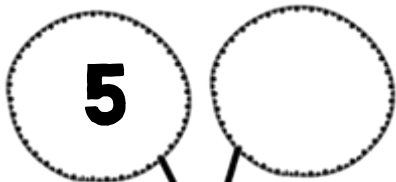
Susie had 48 hairbows. If she placed them on six ribbons, how many hairbows were on each ribbon?

John had 42 toy race cards. If he equally placed them on six different race tracks, how many race cars were on each track?

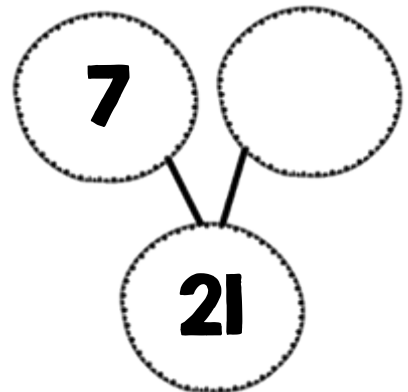
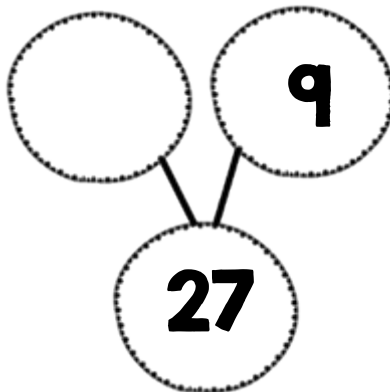
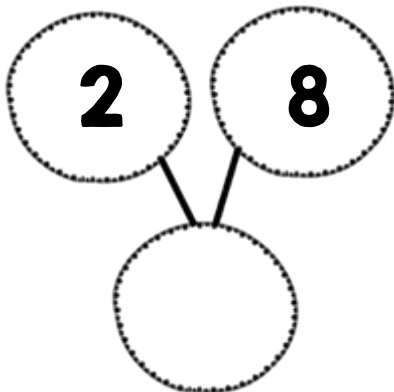
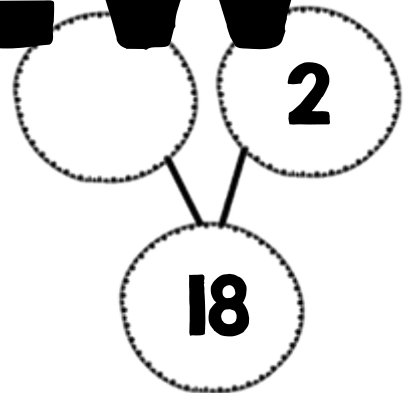
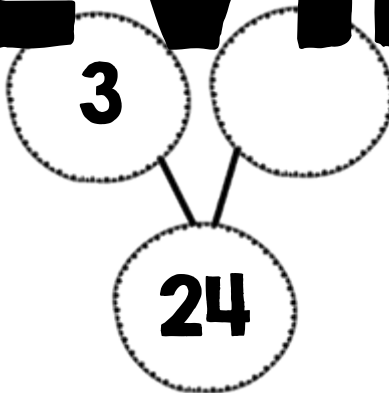
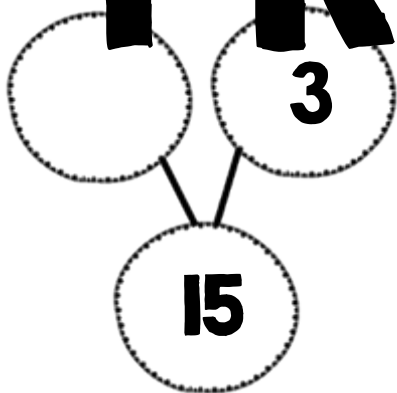
Name _____

Number Bonds

Complete the number bonds.



PREVIEW



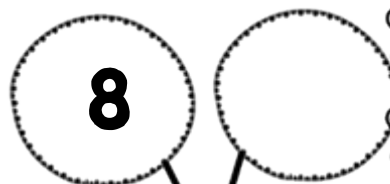
Name _____

Number Bonds

Complete the number bonds.



PREVIEW



119

30

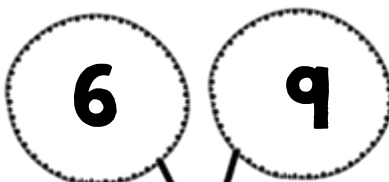
72



28

81

36



48

32