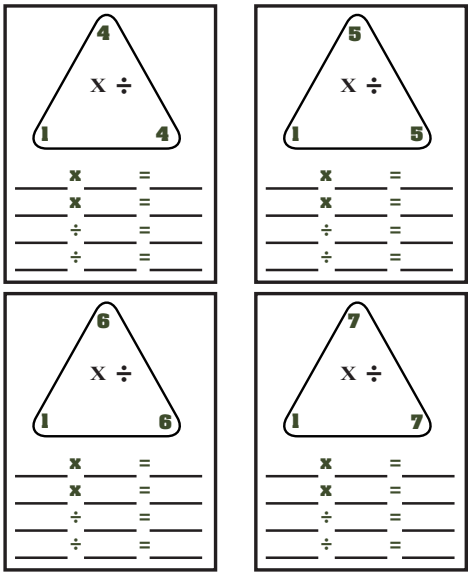
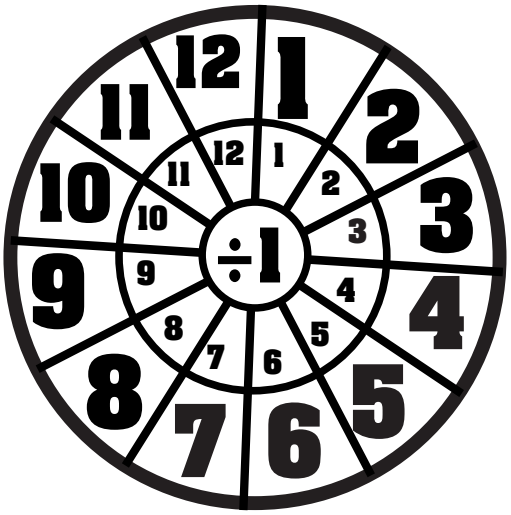
DIVIDING by 1

WORK BOOKLET ANSWER KEY

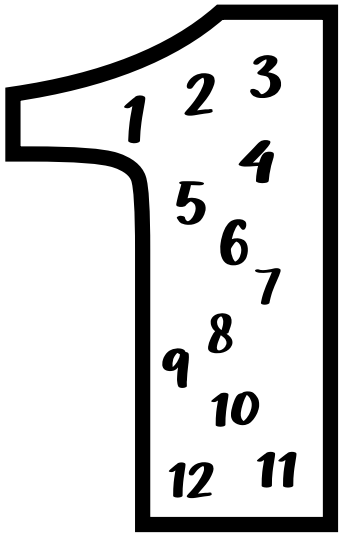
TRIANGLE FACT FAMILY



DIVISION WHEELS

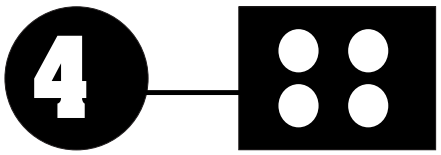


MULTIPLES OF 1



Division Strategies:

PARTITION

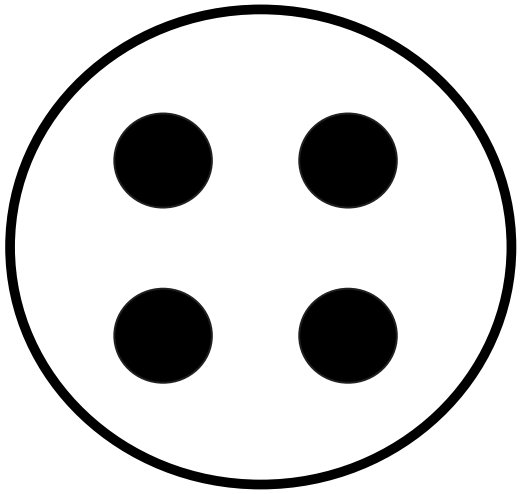


4 ÷ 1 = 4

STRATEGY POSTER

When dividing by 1, think multiplication! 1 x ? = 4

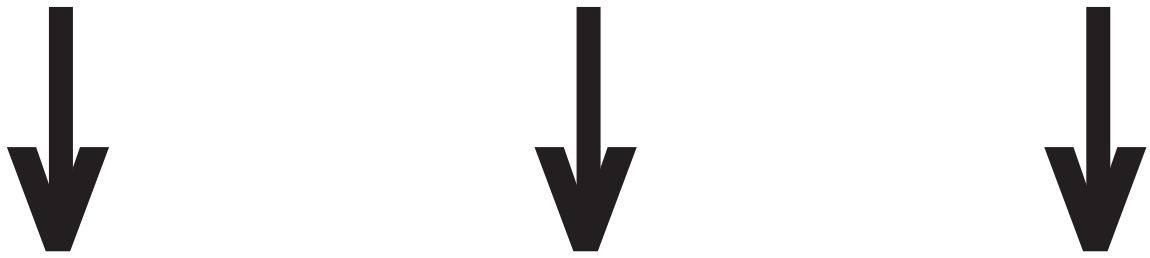
$$4 \div 1 = 4$$



Hint: Think multiplication! 1 x ? = 4

DIVISION

$$10 \div 1 = 10$$



DIVIDEND DIVISOR QUOTIENT

MULTIPLES OF ONE

1 

2 

3 

4 

5 

6 

7 

8 

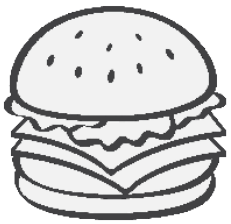
9 

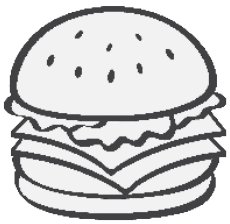
10 

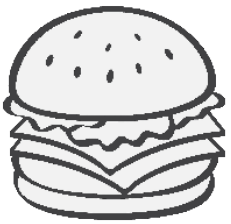
11 

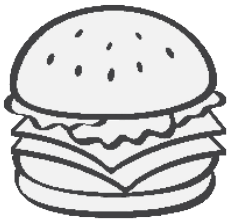
12 

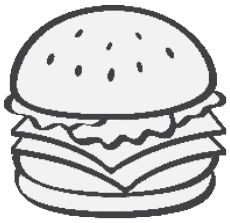
MULTIPLES OF ONE

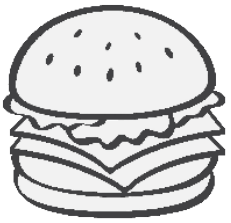
1 

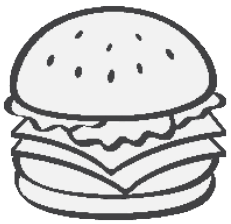
2 

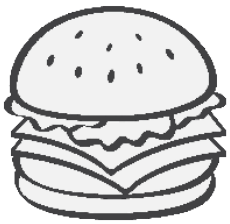
3 

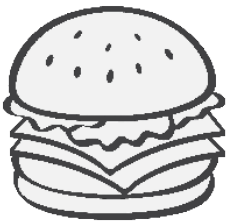
4 

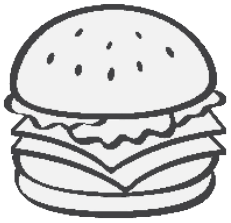
5 

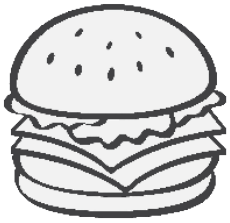
6 

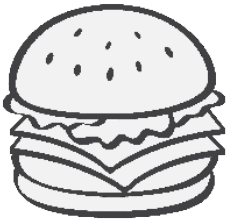
7 

8 

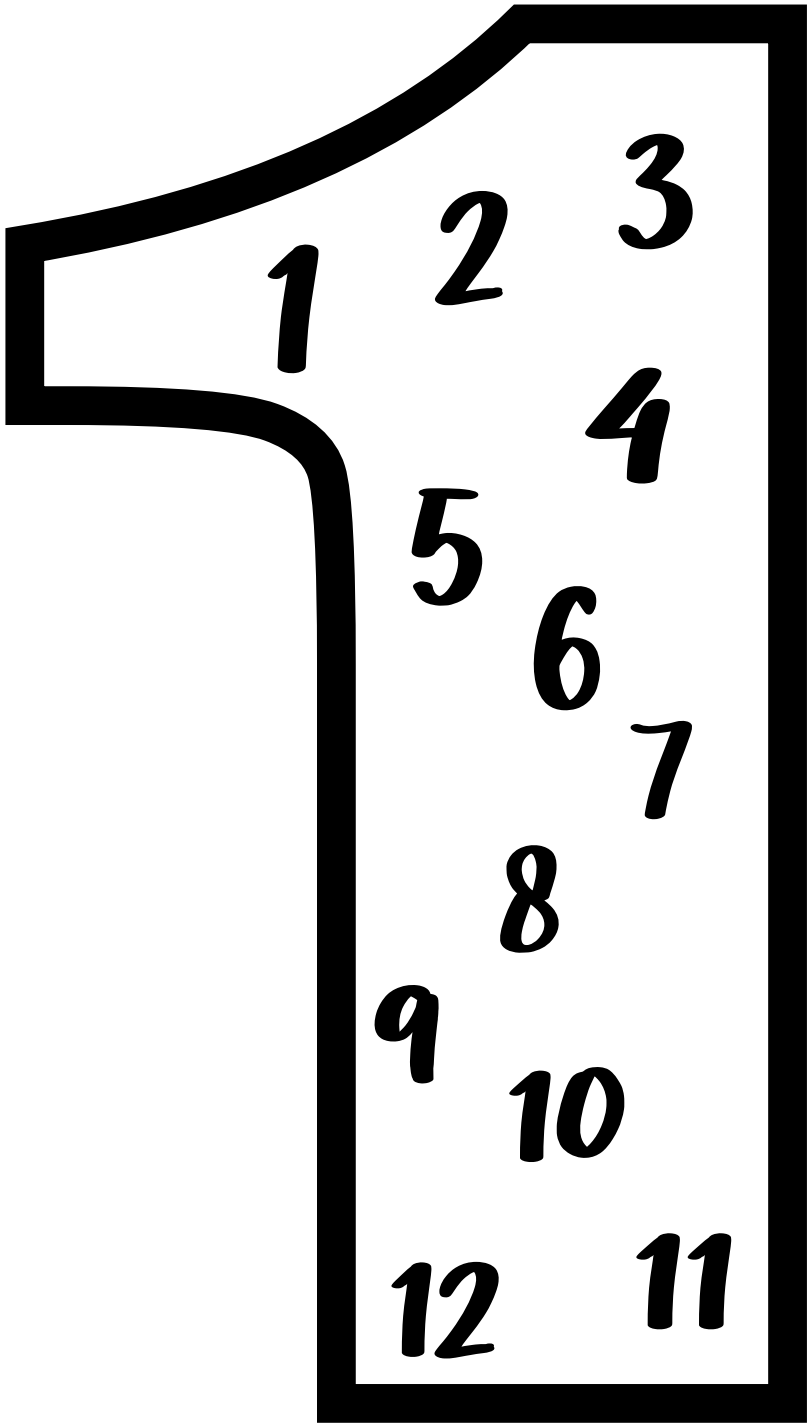
9 

10 

11 

12 

MULTIPLES OF 1

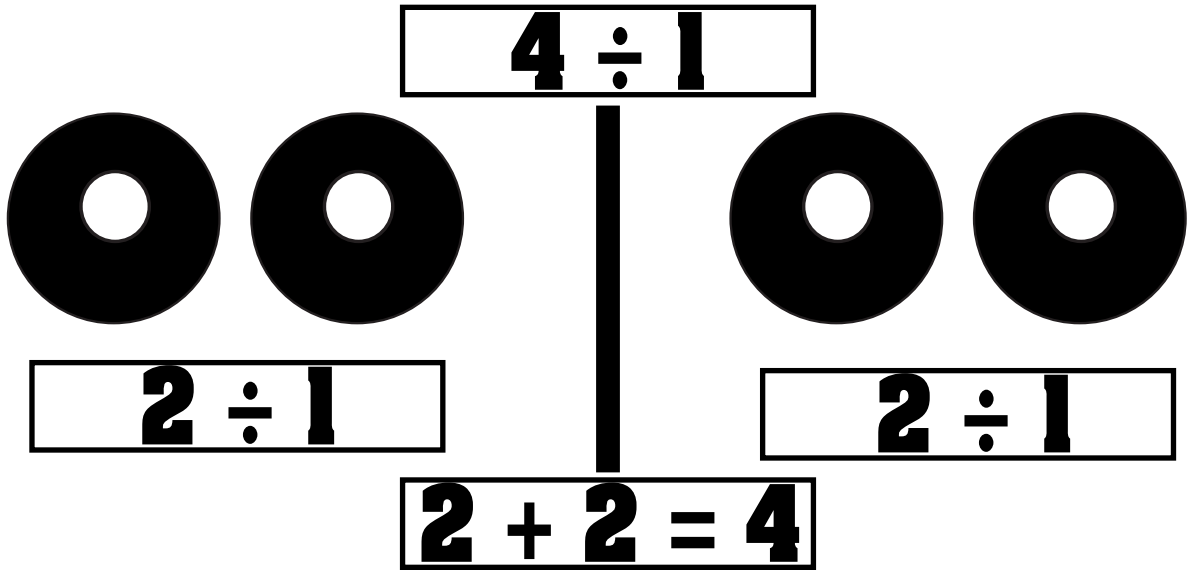


VOCABULARY

DISTRIBUTIVE PROPERTY

There were 4 marbles. I put 1 in each bag. How many bags did I use?

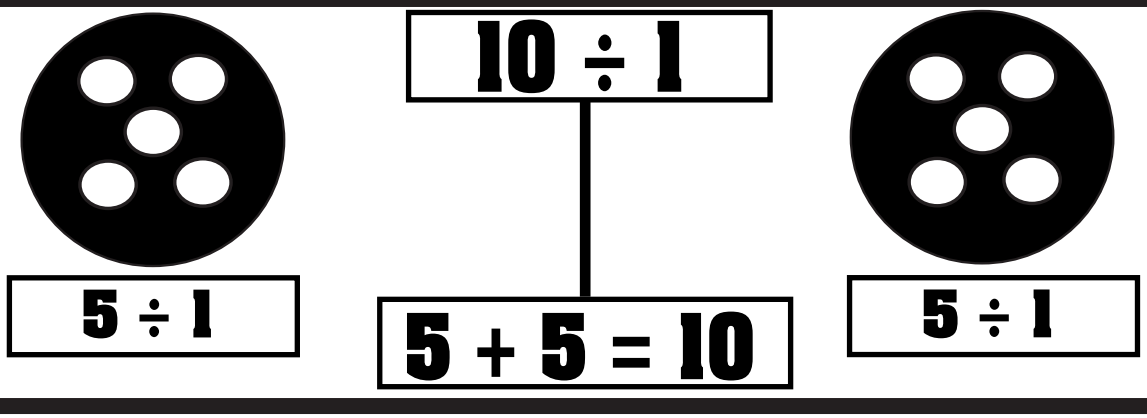
$$4 \div 1 = (2 \div 1) + (2 \div 1) = 2 + 2 = 4$$



MODEL THE FACT

There were 10 marbles. I put 1 in each bag. How many bags did I use?

$$10 \div 1 = (5 \div 1) + (5 \div 1)$$

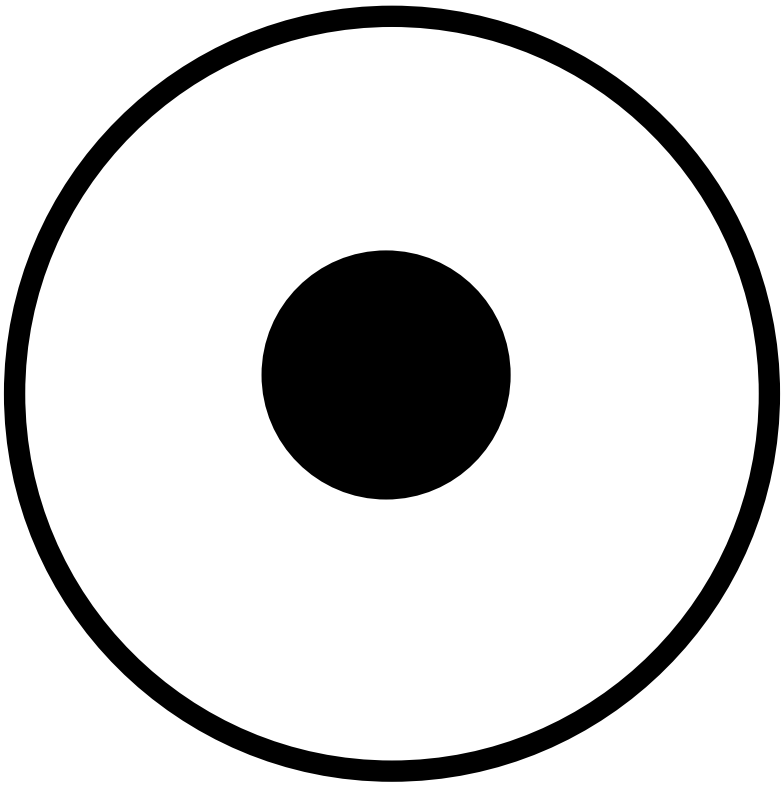


IDENTITY PROPERTY

DIVIDING A NUMBER BY 1

$$1 \div 1 = 1$$

$10 \div 1$ $5 \div 1$ $7 \div 1$



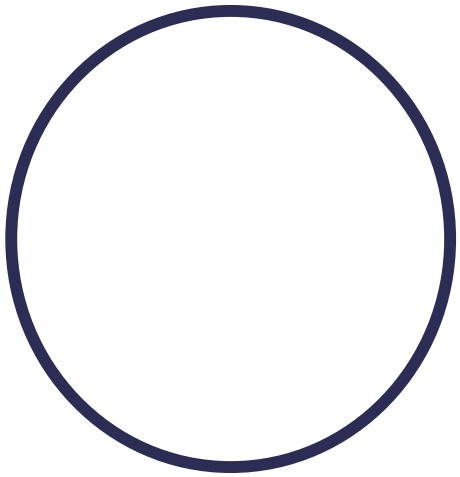
Hint : It's always the number when you divide by 1.

ZERO PROPERTY

DIVIDING 0 BY A NUMBER

$$0 \div 1 = 0$$

$0 \div 8$ $0 \div 1$ $0 \div 2$



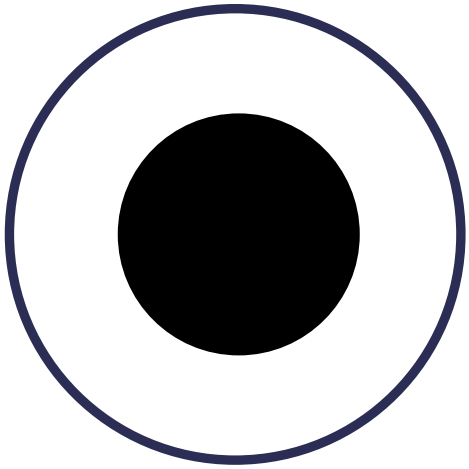
Hint: It's always 0 when you divide zero by a number.

DIVISION BY ITSELF PROPERTY

DIVIDING A NUMBER BY ITSELF

$$1 \div 1 = 1$$

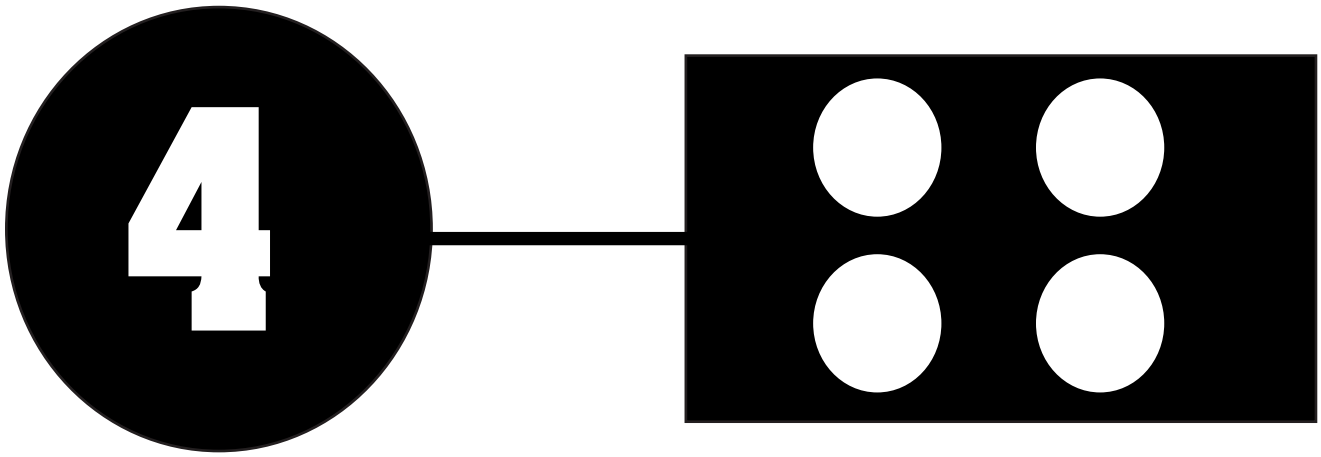
$10 \div 10$ $5 \div 5$ $8 \div 8$



Hint : It's always 1 when you divide a number by itself.

Division Strategies:

PARTITION

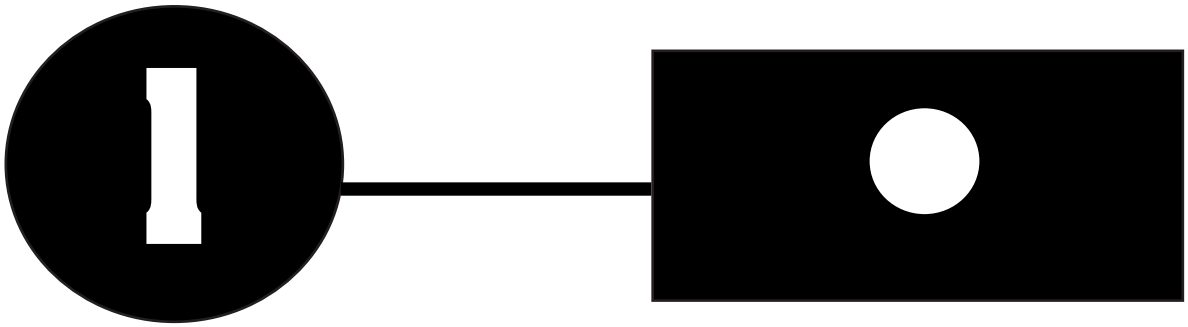


4 ÷ 1 = 4

Division Strategies:

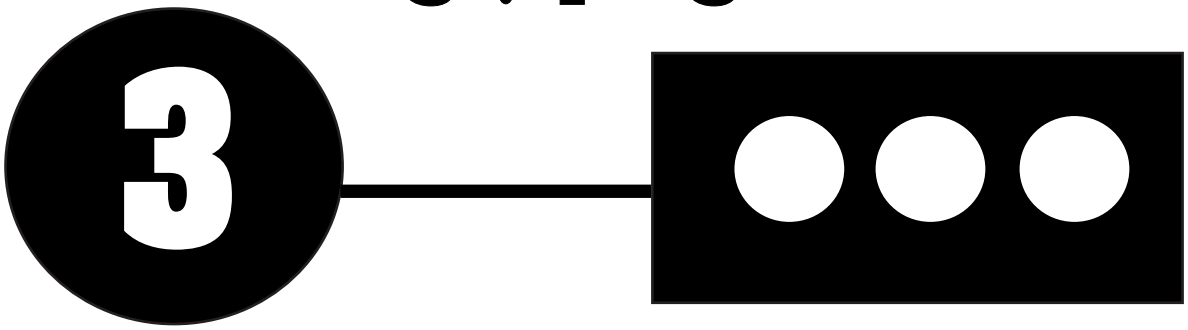
PARTITION

1 ÷ 1 = 1



2 ÷ 1 = 2

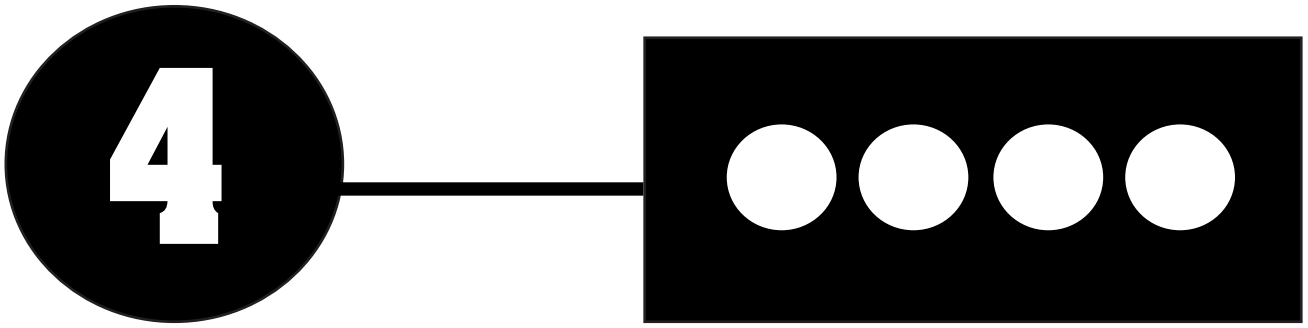
3 ÷ 1 = 3



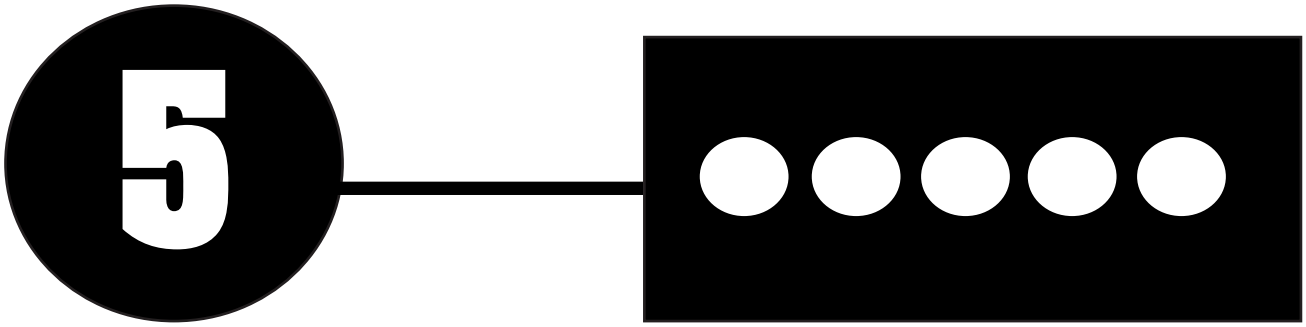
Division Strategies:

PARTITION

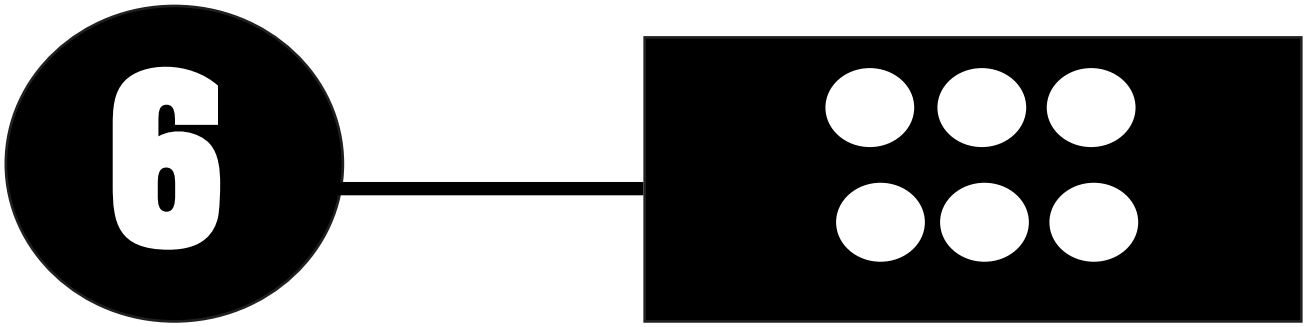
$4 \div 1 = 4$



$5 \div 1 = 5$



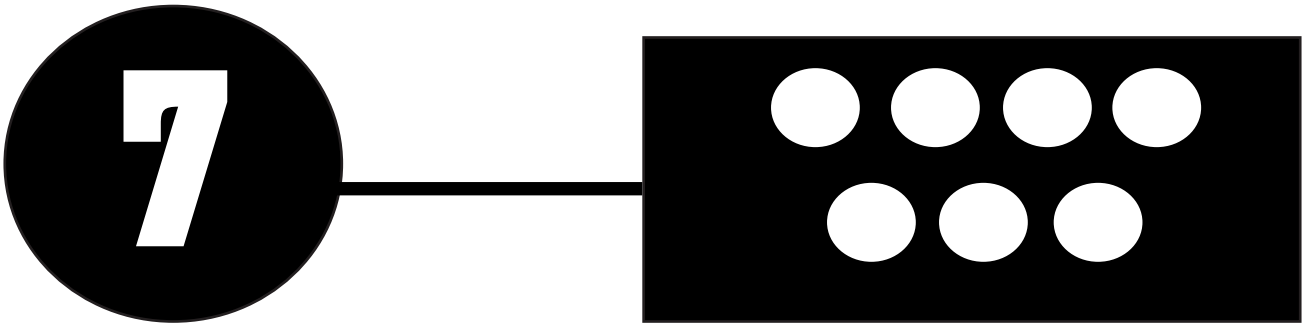
$6 \div 1 = 6$



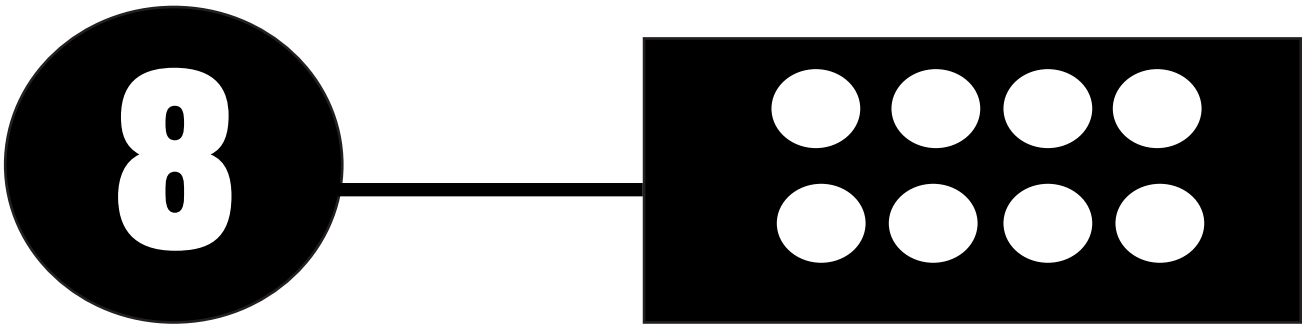
Division Strategies:

PARTITION

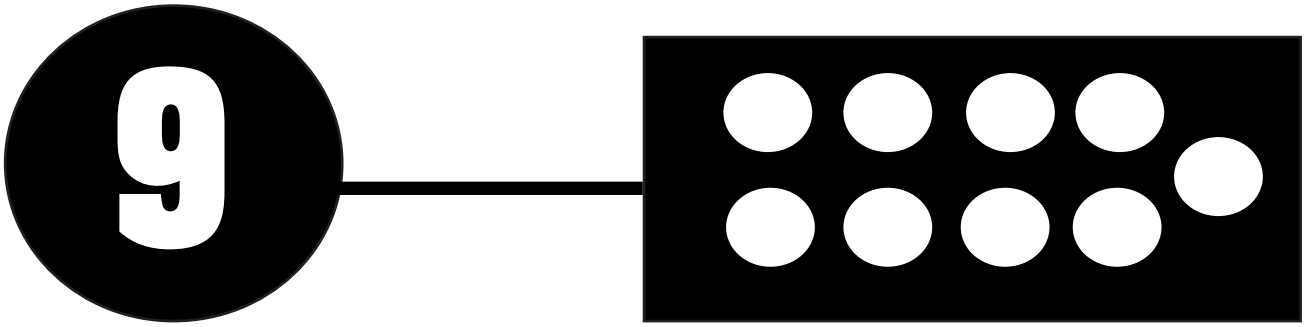
$7 \div 1 = 7$



$8 \div 1 = 8$



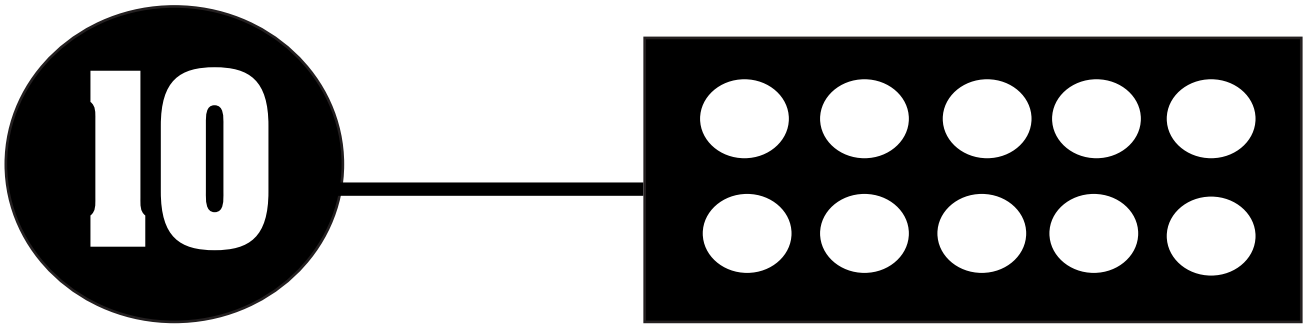
$9 \div 1 = 9$



Division Strategies:

PARTITION

$10 \div 1 = 10$



FREE CHOICE

FREE CHOICE

Division Strategies:

RELATED FACT

6 ÷ 1 = 6

think

1 x 6 = 6

1 ÷ 1 = 1

think

1 x 1 = 1

8 ÷ 1 = 8

think

1 x 8 = 8

9 ÷ 1 = 9

think

1 x 9 = 9

Division Strategies:

RELATED FACT

$2 \div 1 = \underline{2}$

think

$1 \times \underline{2} = 2$

$4 \div 1 = \underline{4}$

think

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

$3 \div 1 = \underline{3}$

think

$1 \times \underline{3} = 3$

$5 \div 1 = \underline{5}$

think

$1 \times \underline{5} = 5$

Division Strategies:

RELATED FACT

10 ÷ 1 = 10

think

1 x 10 = 10

7 ÷ 1 = 7

think

1 x 7 = 7

___ ÷ ___ = ___

think

___ x ___ = ___

___ ÷ ___ = ___

think

___ x ___ = ___

Division Strategies:

REPEATED SUBTRACTION

$$6 \div 1 = ?$$

$$6 - 1 = 5$$

$$5 - 1 = 4$$

$$4 - 1 = 3$$

$$3 - 1 = 2$$

$$2 - 1 = 1$$

$$1 - 1 = 0$$

$$6 \div 1 = \boxed{6}$$

Division Strategies:
REPEATED SUBTRACTION

$6 \div 1 = ?$

$6 - \underline{1} = 5$

$\underline{5} - 1 = 4$

$\underline{4} - 1 = 3$

$3 - \underline{1} = 2$

$2 - \underline{1} = 1$

$\underline{1} - 1 = 0$

$6 \div 1 = \boxed{6}$

Division Strategies:
REPEATED SUBTRACTION

$$7 \div 1 = ?$$

$$7 - \underline{1} = 6$$
$$6 - \underline{1} = 5$$
$$\underline{5} - 1 = 4$$
$$\underline{4} - 1 = 3$$
$$3 - \underline{1} = 2$$
$$2 - \underline{1} = 1$$
$$\underline{1} - 1 = 0$$

$$7 \div 1 = \boxed{7}$$

Division Strategies:
REPEATED SUBTRACTION

$$5 \div 1 = ?$$

$$5 - 1 = 4$$
$$4 - 1 = 3$$
$$3 - 1 = 2$$
$$2 - 1 = 1$$
$$1 - 1 = 0$$

$$5 \div 1 = \boxed{5}$$

Division Strategies:
REPEATED SUBTRACTION

$8 \div 1 = ?$

$8 - \underline{1} = 7$

$7 - \underline{1} = 6$

$6 - \underline{1} = 5$

$\underline{5} - 1 = 4$

$\underline{4} - 1 = 3$

$3 - \underline{1} = 2$

$2 - \underline{1} = 1$

$\underline{1} - 1 = 0$

$8 \div 1 = \boxed{8}$

Division Strategies:

REPEATED SUBTRACTION

$$10 \div 1 = ?$$

$$10 - 1 = 9$$

$$9 - 1 = 8$$

$$8 - 1 = 7$$

$$7 - 1 = 6$$

$$6 - 1 = 5$$

$$5 - 1 = 4$$

$$4 - 1 = 3$$

$$3 - 1 = 2$$

$$2 - 1 = 1$$

$$1 - 1 = 0$$

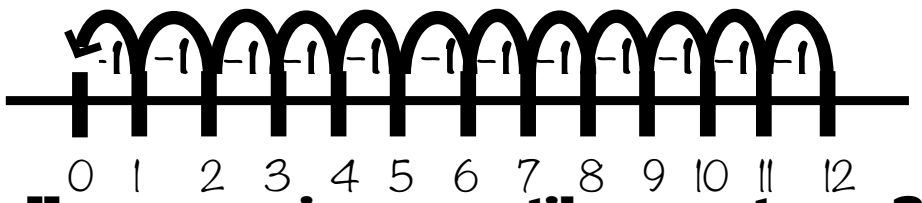
$$10 \div 1 = \boxed{10}$$

Division Strategies:

NUMBER LINES

There are 12 cookies and you put 1 in a bag. How many bags do you have?

12 ÷ 1 = 12



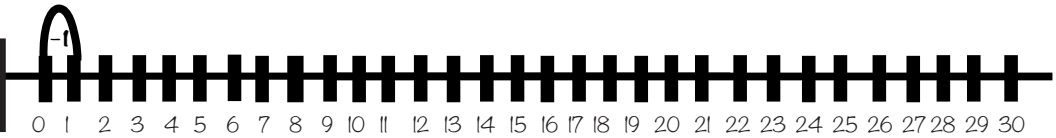
How many jumps until you get zero?

THE FIRST NUMBER IS HOW MANY COOKIES (DIVIDEND). THE SECOND NUMBER IS HOW MANY ARE IN A BAG (DIVISOR). THE QUESTION IS HOW MANY BAGS DO YOU NEED (QUOTIENT)?

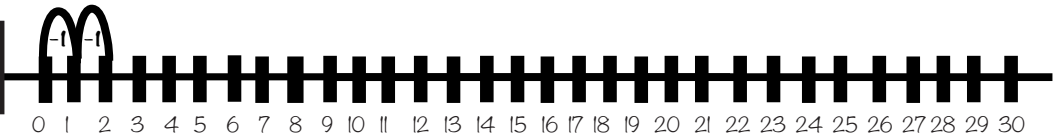
SOLVE THE PROBLEM ON THE NUMBER LINE.

How many jumps until you get zero?

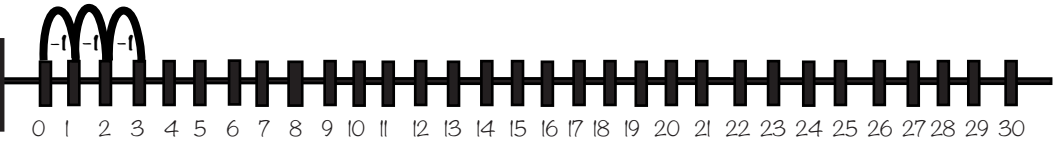
1 ÷ 1



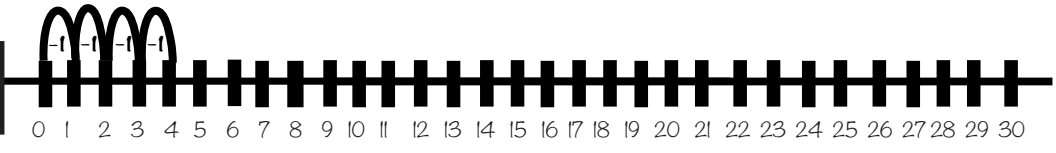
2 ÷ 1



3 ÷ 1



4 ÷ 1

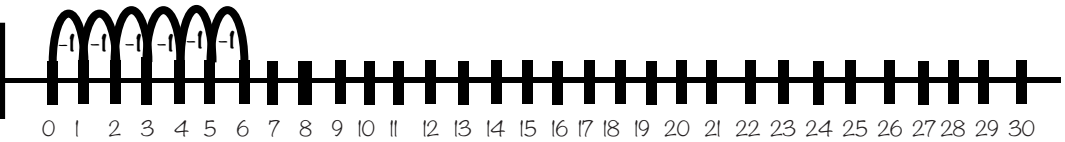


Division Strategies:

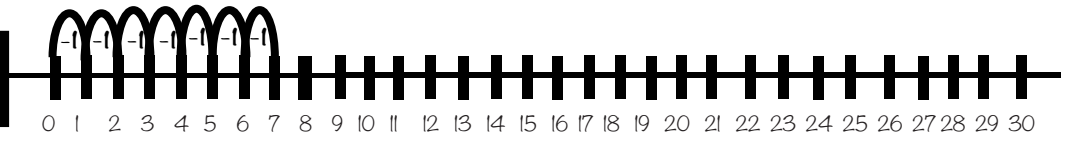
NUMBER LINES

5 ÷ 1

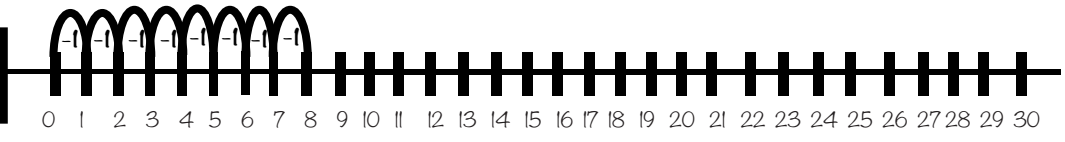
6 ÷ 1



7 ÷ 1



8 ÷ 1



9 ÷ 1

10 ÷ 1

Division Vocabulary

dividend **divisor** **quotient**

$$7 \div 1 = 7$$

quotient

divisor $1\overline{)7}$ 7

dividend

dividend $\frac{7}{1} = 7$ **quotient**

divisor

Array Flashcards

WRITE AN EQUATION THAT MATCHES THE ARRAY.

1 ÷ 1 = 1

2 ÷ 1 = 2

3 ÷ 1 = 3

Array Flashcards

WRITE AN EQUATION THAT MATCHES THE ARRAY.

$4 \div 1 = \underline{4}$

$5 \div 1 = \underline{5}$

$6 \div 1 = \underline{6}$

Array Flashcards

WRITE AN EQUATION THAT MATCHES THE ARRAY.

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

$8 \div 1 = \underline{8}$

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

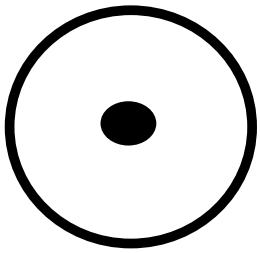
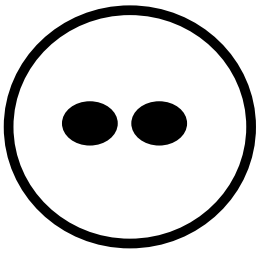
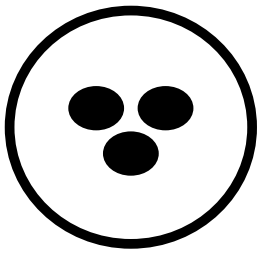
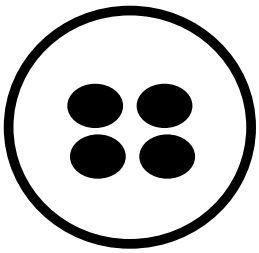
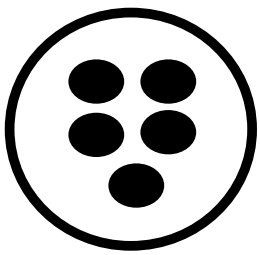
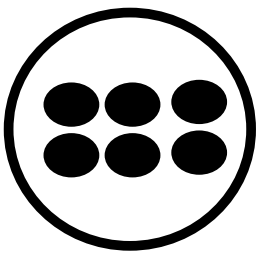
Array Flashcards

WRITE AN EQUATION THAT MATCHES THE ARRAY.

10 ÷ 1 = 10	
FREE CHOICE	
FREE CHOICE	

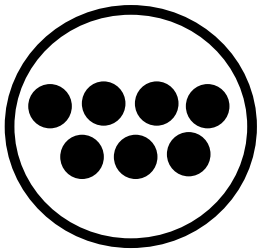
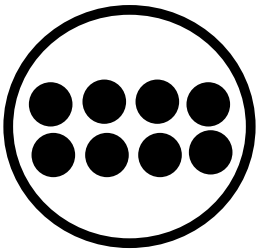
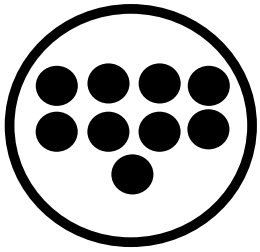
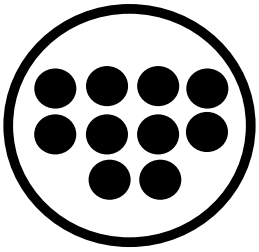
Equal Group Flashcards

MAKE YOUR OWN EQUAL GROUP FLASHCARDS. DRAW EQUAL GROUPS TO MODEL THE PROBLEM.

1 ÷ 1 = 1 	2 ÷ 1 = 2 
3 ÷ 1 = 3 	4 ÷ 1 = 4 
5 ÷ 1 = 5 	6 ÷ 1 = 6 

Equal Group Flashcards

MAKE YOUR OWN EQUAL GROUP FLASHCARDS. DRAW EQUAL GROUPS TO MODEL THE PROBLEM.

$7 \div 1 = 7$	$8 \div 1 = 8$
	
$9 \div 1 = 9$	$10 \div 1 = 10$
	

Regular Flashcards

$0 \div 1$	$1 \div 1$
$2 \div 1$	$3 \div 1$
$4 \div 1$	$5 \div 1$

Regular Flashcards

6 ÷ 1	7 ÷ 1
8 ÷ 1	9 ÷ 1
10 ÷ 1	

Dividing by 1 Calling Cards

0	1	2	3	4
5	6	7	8	9
		10		

Dividing by 1
4 IN A ROW

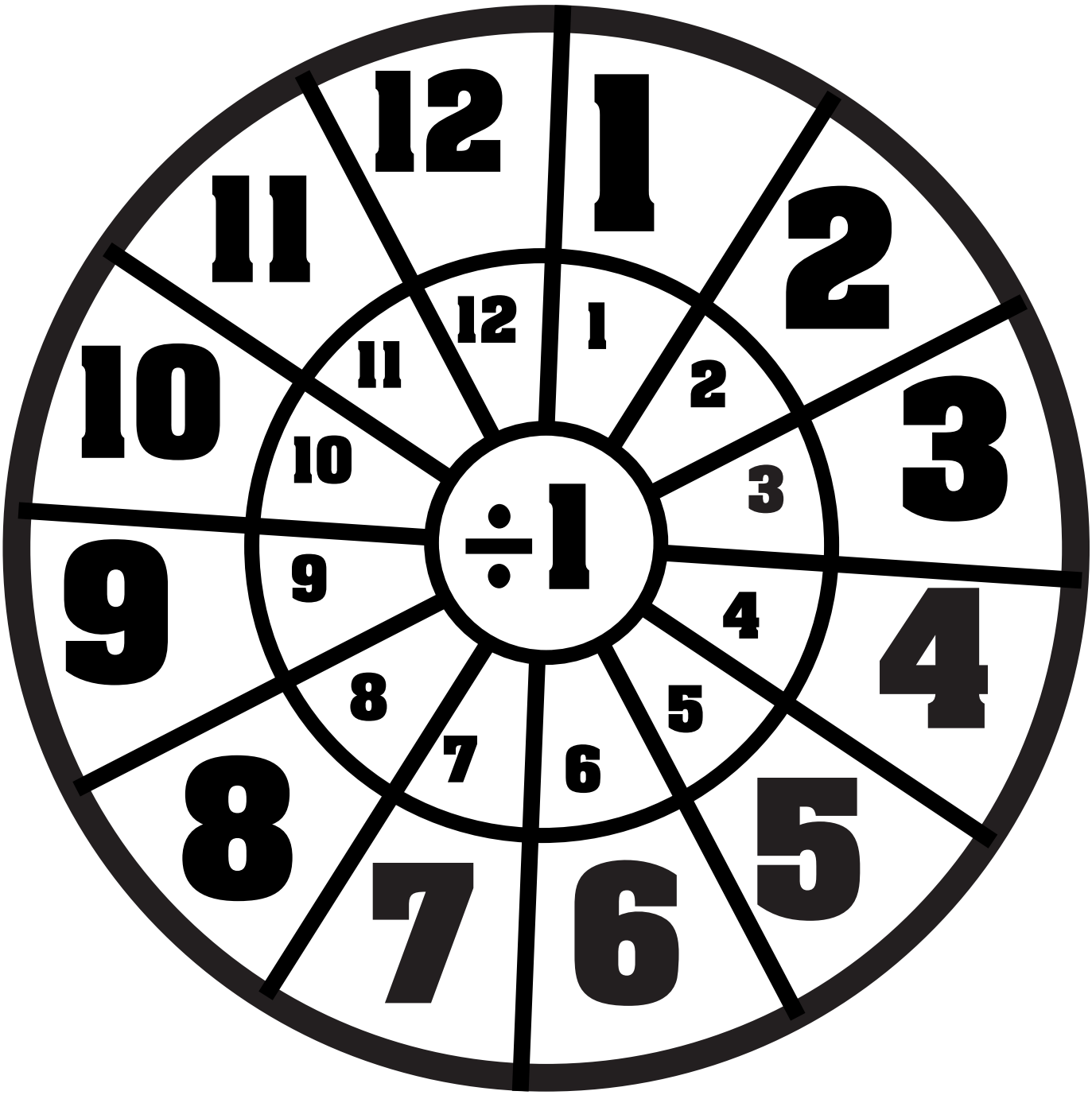
CHECK YOUR ANSWERS USING YOUR BOOKMARK.

1÷1=?	10÷1=?	3÷1=?	7÷1=?	5÷1=?	8÷1=?
7÷1=?	8÷1=?	4÷1=?	10÷1=?	6÷1=?	3÷1=?
6÷1=?	3÷1=?	8÷1=?	2÷1=?	6÷1=?	1÷1=?
3÷1=?	10÷1=?	4÷1=?	1÷1=?	5÷1=?	7÷1=?
7÷1=?	2÷1=?	8÷1=?	6÷1=?	10÷1=?	2÷1=?
1÷1=?	4÷1=?	2÷1=?	9÷1=?	3÷1=?	1÷1=?
6÷1=?	4÷1=?	7÷1=?	5÷1=?	4÷1=?	6÷1=?

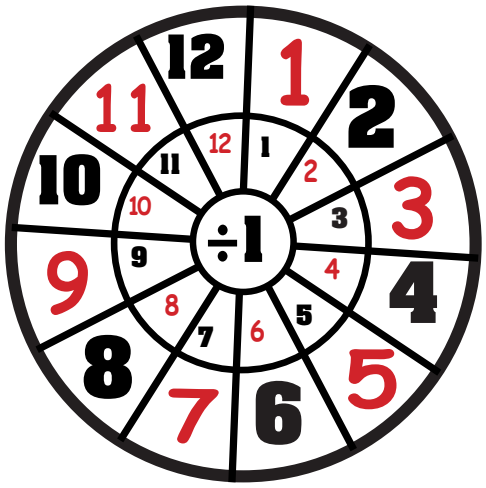
Instructions:

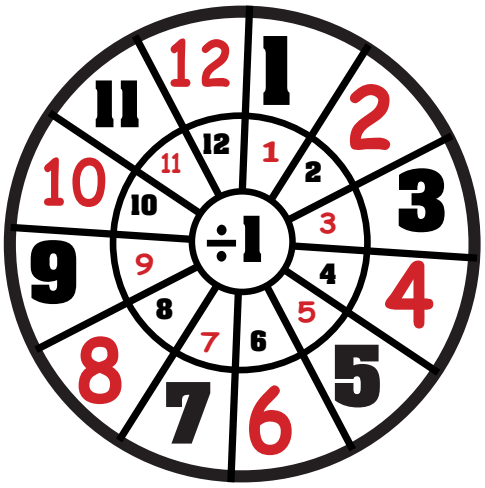
1. Each person pulls a card. Whoever has the largest number starts.
2. Take turns pulling a card and cover the expression that matches that quotient.
3. The first player to get 4 in a row wins!
4. Play again!

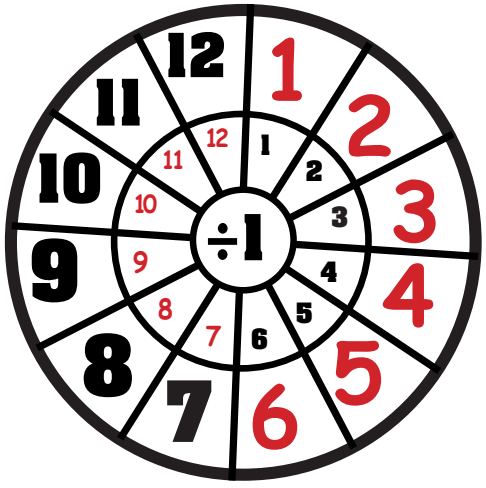
DIVISION WHEELS

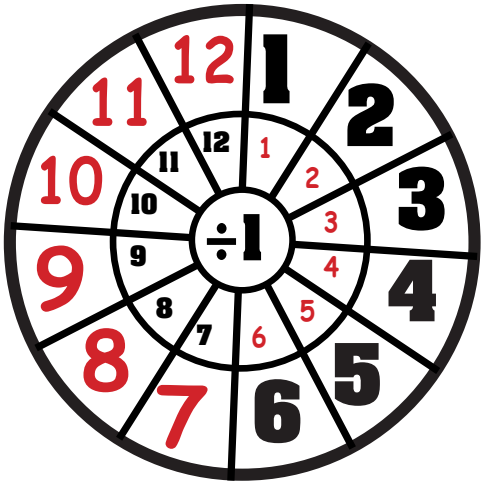


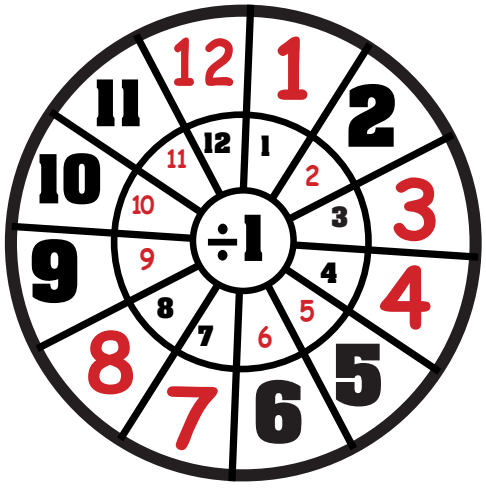
DIVISION WHEELS

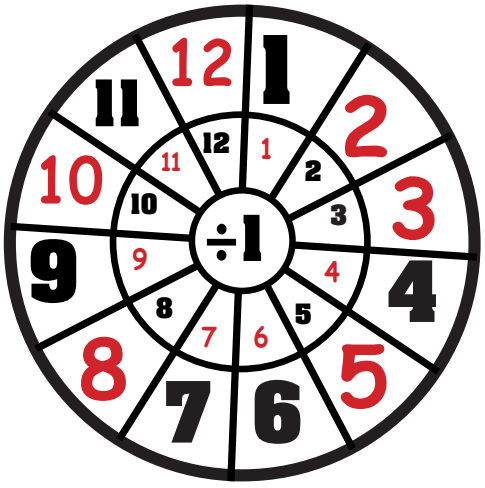












PICTURE FACT FAMILY

$1 \times 1 = 1$

$1 \times 1 = 1$

$1 \div 1 = 1$

$1 \div 1 = 1$

$1 \times 2 = 2$

$2 \times 1 = 2$

$2 \div 1 = 2$

$2 \div 2 = 1$

$1 \times 3 = 3$

$3 \times 1 = 3$

$3 \div 1 = 3$

$3 \div 3 = 1$

$1 \times 4 = 4$

$4 \times 1 = 4$

$4 \div 1 = 4$

$4 \div 4 = 1$

PICTURE FACT FAMILY

1 x 5 = 5

5 x 1 = 5

5 ÷ 1 = 5

5 ÷ 5 = 1

1 x 6 = 6

6 x 1 = 6

6 ÷ 1 = 6

6 ÷ 6 = 1

1 x 7 = 7

7 x 1 = 7

7 ÷ 1 = 7

7 ÷ 7 = 1

1 x 8 = 8

8 x 1 = 8

8 ÷ 1 = 8

8 ÷ 8 = 1

PICTURE FACT FAMILY

1 x 9 = 9

9 x 1 = 9

9 ÷ 1 = 9

9 ÷ 9 = 1

MAKE YOUR OWN

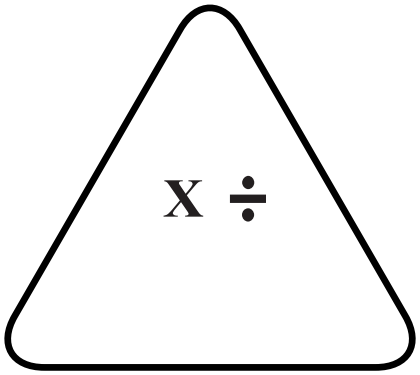
____ x ____ = ____

____ x ____ = ____

____ ÷ ____ = ____

____ ÷ ____ = ____

TRIANGLE FACT FAMILY

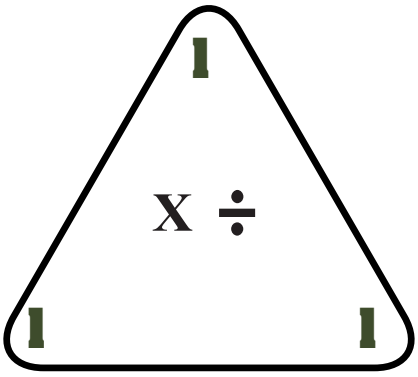


____ x ____ = ____

____ x ____ = ____

____ ÷ ____ = ____

____ ÷ ____ = ____

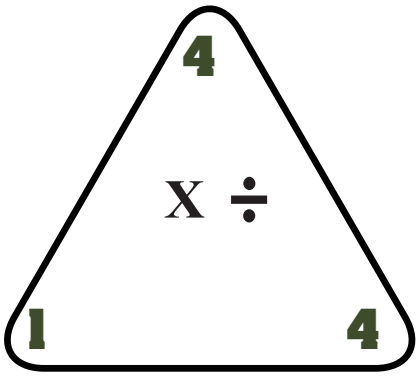


1 x 1 = 1

1 x 1 = 1

1 ÷ 1 = 1

1 ÷ 1 = 1

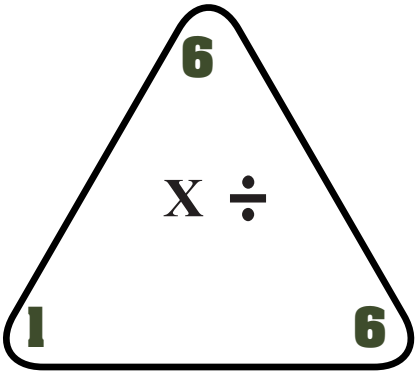


1 x 4 = 4

4 x 1 = 4

4 ÷ 1 = 4

4 ÷ 4 = 1



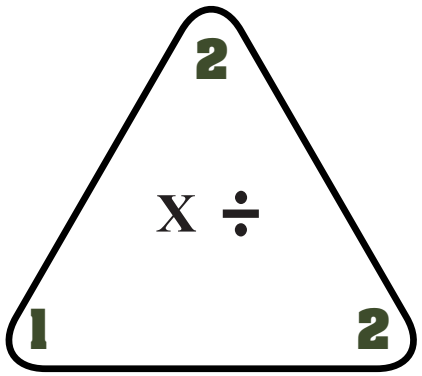
1 x 6 = 6

6 x 1 = 6

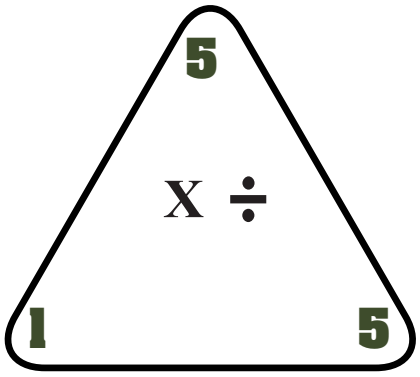
6 ÷ 1 = 6

6 ÷ 6 = 1

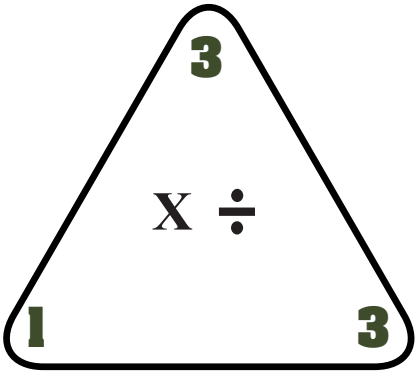
TRIANGLE FACT FAMILY



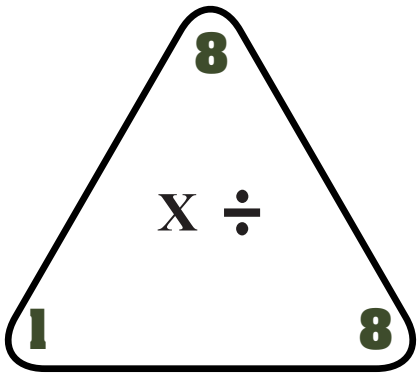
1 x 2 = 2
2 x 1 = 2
2 ÷ 1 = 2
2 ÷ 2 = 1



1 x 5 = 5
5 x 1 = 5
5 ÷ 1 = 5
5 ÷ 5 = 1

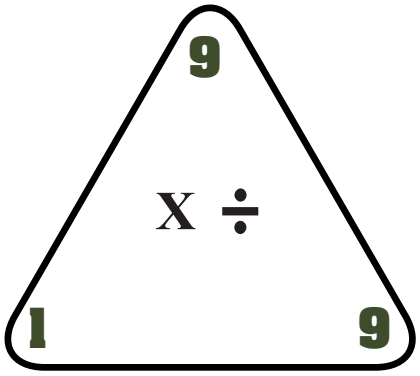


1 x 3 = 3
3 x 1 = 3
3 ÷ 1 = 3
3 ÷ 3 = 1

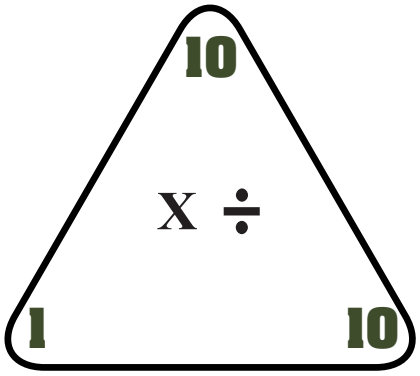


1 x 8 = 8
8 x 1 = 8
8 ÷ 1 = 8
8 ÷ 8 = 1

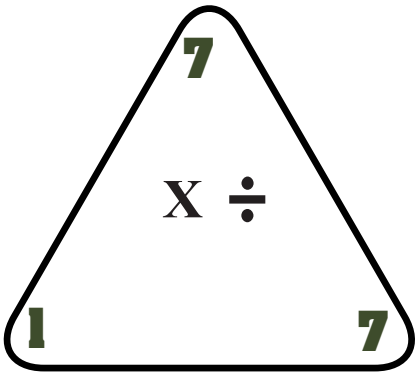
TRIANGLE FACT FAMILY



1 x 9 = 9
9 x 1 = 9
9 ÷ 1 = 9
9 ÷ 9 = 1

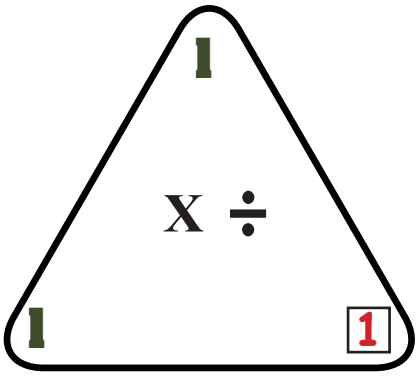


1 x 10 = 10
10 x 1 = 10
10 ÷ 1 = 10
10 ÷ 10 = 1

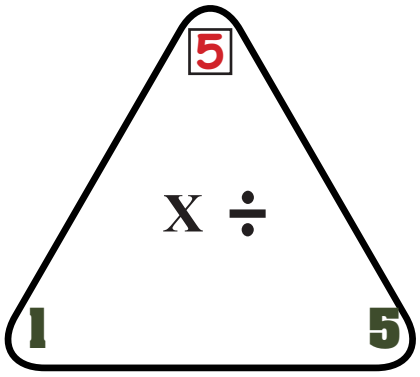


1 x 7 = 7
7 x 1 = 7
7 ÷ 1 = 7
7 ÷ 7 = 1

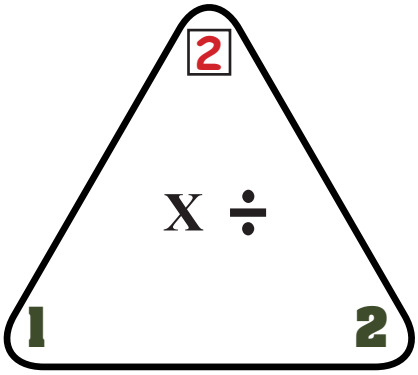
TRIANGLE FACT FAMILY



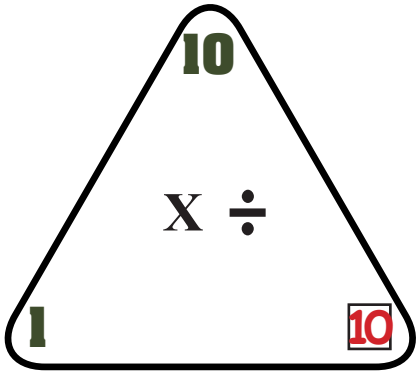
1 x 1 = 1
1 x 1 = 1
1 ÷ 1 = 1
1 ÷ 1 = 1



1 x 5 = 5
5 x 1 = 5
5 ÷ 1 = 5
5 ÷ 5 = 1

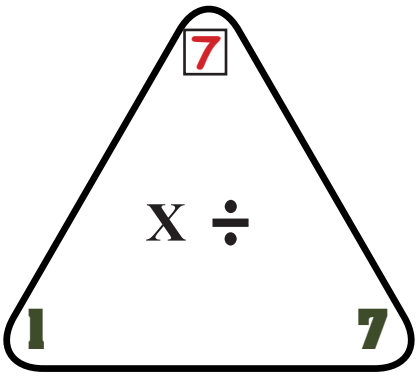


1 x 2 = 2
2 x 1 = 2
2 ÷ 1 = 2
2 ÷ 2 = 1



1 x 10 = 10
10 x 1 = 10
10 ÷ 1 = 10
10 ÷ 10 = 1

TRIANGLE FACT FAMILY

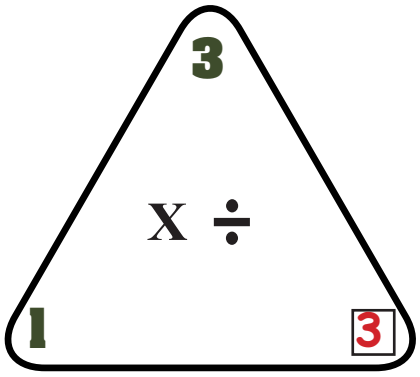


$1 \times 7 = 7$

$7 \times 1 = 7$

$7 \div 1 = 7$

$7 \div 7 = 1$

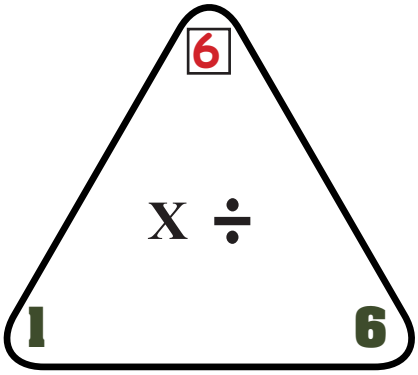


$1 \times 3 = 3$

$3 \times 1 = 3$

$3 \div 1 = 3$

$3 \div 3 = 1$



$1 \times 6 = 6$

$6 \times 1 = 6$

$6 \div 1 = 6$

$6 \div 6 = 1$

WORD PROBLEM

MODEL YOUR THINKING AND SOLVE THE PROBLEM.

THE BAKERY HAD 10 DONUTS IN 1 ROW. THEY HAD THE SAME AMOUNT IN EACH ROW. HOW MANY WERE IN EACH ROW?

10 ÷ 1 = 10

THE BAKERY HAD 9 DONUTS. THEY PUT 1 IN EACH ROW. HOW MANY ROWS DID THEY MAKE?

9 ÷ 1 = 9

THE BAKERY MADE 5 MUFFINS. THEY PACKED 1 IN A BOX. HOW MANY BOXES DID THEY USE?

5 ÷ 1 = 5

THE BAKERY MADE 8 HAND PIES. THEY USED 1 BOXES. THEY PUT THE SAME AMOUNT OF PIES IN EACH BOX. HOW MANY HAND PIES DID THEY PUT IN EACH BOX?

8 ÷ 1 = 8

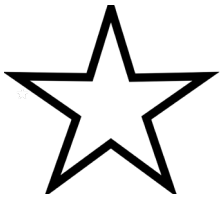
QUIZ

Follow the directions in each box. Choose an equation to represent each problem.

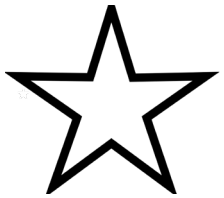
I CAN SKIP COUNT TO DIVIDE BY 1'S!	I CAN USE EQUAL GROUPS TO DIVIDE BY 1'S!

I CAN USE ARRAYS TO MODEL DIVIDING BY 1'S!	I CAN MODEL DIVIDING BY 1'S ON THE NUMBER LINE!

I CAN USE REPEATED SUBTRACTION TO DIVIDE BY 1'S.	MY STRATEGY FOR THINKING ABOUT DIVIDING BY 1'S IS....



GREAT MATH WORK!



CERTIFICATE

_____

HAS SUCCESSFULLY PRACTICED DIVIDING BY 1'S!

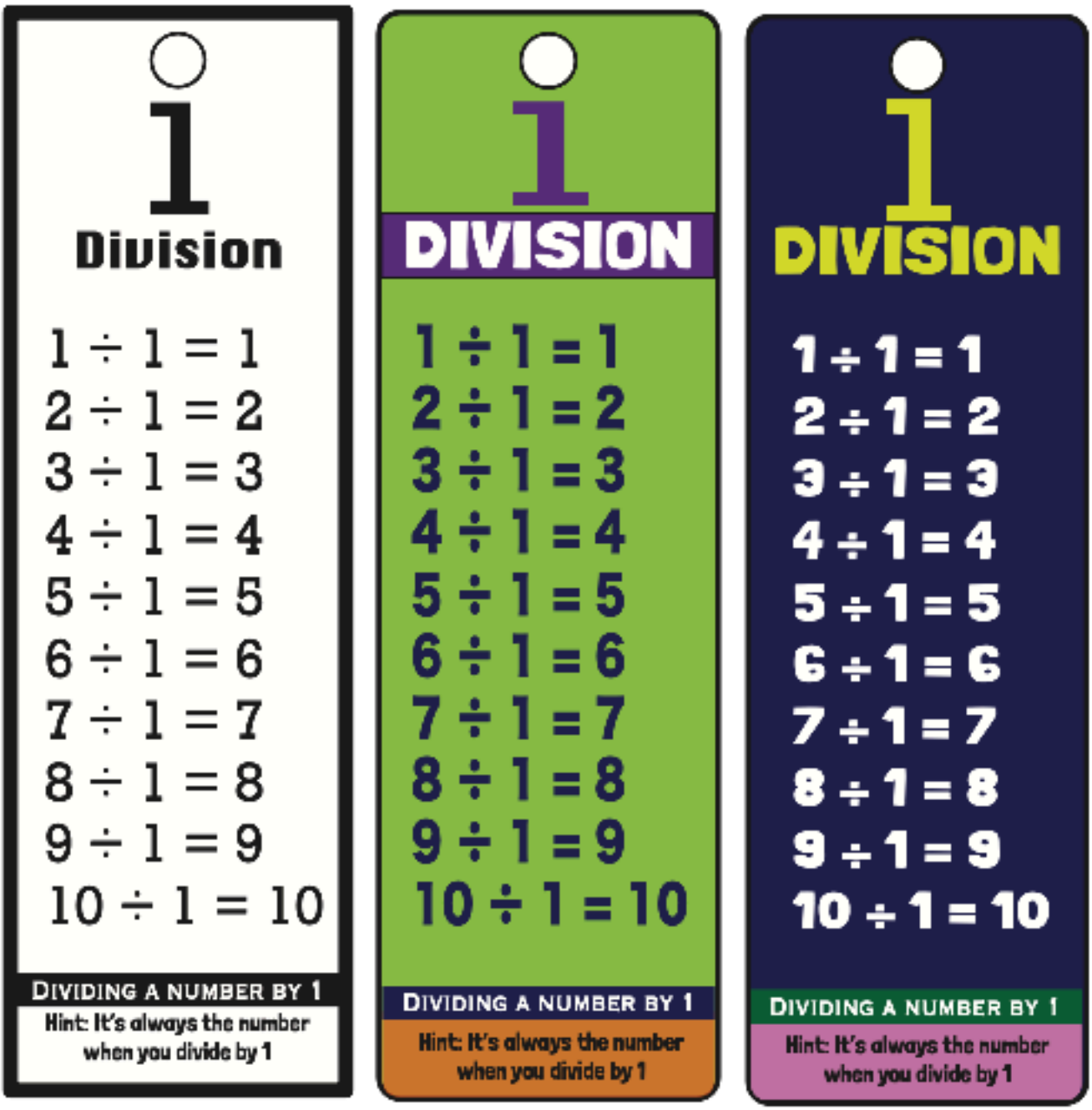
GREAT JOB!

TEACHER: _____ **DATE:** _____

Looking at the 1's

0 ÷ 1 = 0	6 ÷ 1 = 6
1 ÷ 1 = 1	7 ÷ 1 = 7
2 ÷ 1 = 2	8 ÷ 1 = 8
3 ÷ 1 = 3	9 ÷ 1 = 9
4 ÷ 1 = 4	10 ÷ 1= 10
5 ÷ 1 = 5	

Bookmarks


Division
1 ÷ 1 = 1
2 ÷ 1 = 2
3 ÷ 1 = 3
4 ÷ 1 = 4
5 ÷ 1 = 5
6 ÷ 1 = 6
7 ÷ 1 = 7
8 ÷ 1 = 8
9 ÷ 1 = 9
10 ÷ 1 = 10
DIVIDING A NUMBER BY 1
Hint: It's always the number when you divide by 1
DIVISION
1 ÷ 1 = 1
2 ÷ 1 = 2
3 ÷ 1 = 3
4 ÷ 1 = 4
5 ÷ 1 = 5
6 ÷ 1 = 6
7 ÷ 1 = 7
8 ÷ 1 = 8
9 ÷ 1 = 9
10 ÷ 1 = 10
DIVIDING A NUMBER BY 1
Hint: It's always the number when you divide by 1
DIVISION
1 ÷ 1 = 1
2 ÷ 1 = 2
3 ÷ 1 = 3
4 ÷ 1 = 4
5 ÷ 1 = 5
6 ÷ 1 = 6
7 ÷ 1 = 7
8 ÷ 1 = 8
9 ÷ 1 = 9
10 ÷ 1 = 10
DIVIDING A NUMBER BY 1
Hint: It's always the number when you divide by 1