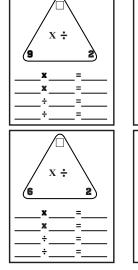
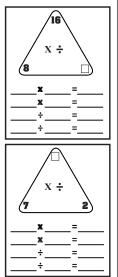
DIVIDING by HALF

WORK BOOKLET







<u> Pivision Vocabulary</u>	
-----------------------------	--

dividend divisor quotient

 $12 \div 6 = 2$

2 quotient

6 12

dividend

dividend 2

divisor :

divisor

<u>12</u>

quotier

DIVISION

 $14 \div 7 = 2$

1

1

1

DIVIDEND

DIVISOR

QUOTIENT

Pivision Strategies:

PARTITION









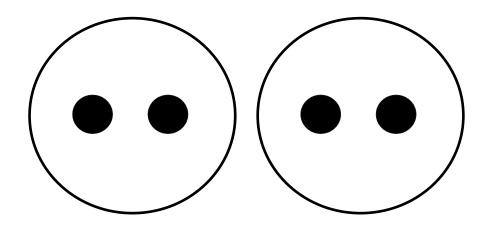


 $\mathbf{8} \div \mathbf{4} = \mathbf{2}$

STRATEGY POSTER

When dividing by **HALF**, it's always 2

$$4 \div 2 = 2$$



Hint: It's always 2 when you divide a number in half.

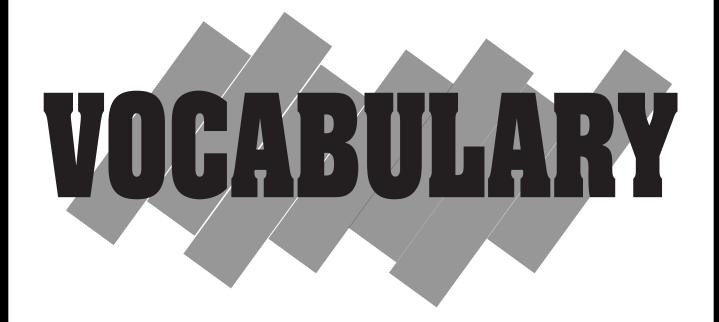
DIVISION

DIVISOR

DIVIDEND

Dr. Nicki Newton 2022 3

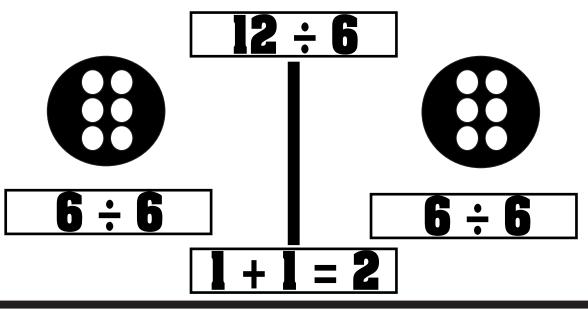
QUOTIENT



DISTRIBUTIVE PROPERTY

The bakery made 12 muffins. They put 6 in a box. How many boxes did they use?

$$12 \div 6 = (6 \div 6) + (6 \div 6) = 1 + 1 = 2$$



MODEL THE FACT

The bakery made 24 muffins. They put 12 in a box. How many boxes did they use?

$$24 \div 12 = (12 \div 12) + (12 \div 12) = 1 + 1 = 2$$

 $8 \div 4 = 2$

$$4 \div 2 = 2$$

$$\mathbf{6} \div \mathbf{3} = \mathbf{2}$$

$$\mathbf{8} \div \mathbf{4} = \mathbf{2}$$

$$10 \div 5 = 2$$

$$12 \div 6 = 2$$

$$14 \div 7 = 2$$

$$16 \div 8 = 2$$

$$18 \div 9 = 2$$

$$20 \div 10 = 2$$

FREE CHOICE

FREE CHOICE

FREE CHOICE

Division Strategies: RELATED FACT

$$7 x = 14$$

think

$$5 x = 10$$

Division Strategies: RELATED FACT

$$6 \times _{-} = 12$$

$$4 x = 8$$

Division Strategies: RELATED FACT 20 ÷ 10 = think $10 \times = 20$ think

Division Strategies: REPEATED SUBTRACTION

$$16 \div 8 = ?$$

$$16 \div 8 = 2$$

Division Strategies: REPEATED SUBTRACTION

$$10 \div 5 = ?$$

$$- 5 = 0$$

Division Strategies: REPEATED SUBTRACTION

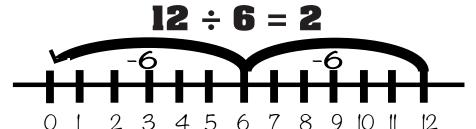
$$6 \div 3 = ?$$

$$6 - = 3$$

$$\underline{} - 3 = 0$$

Division Strategies: number lines

THERE ARE 12 COOKIES AND YOU PUT 6 IN A BAG. HOW MANY BAGS DO YOU HAVE?

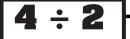


HOW MANY JUMPS UNTIL YOU GET TO ZERO?

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 TO ZERO?





0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30

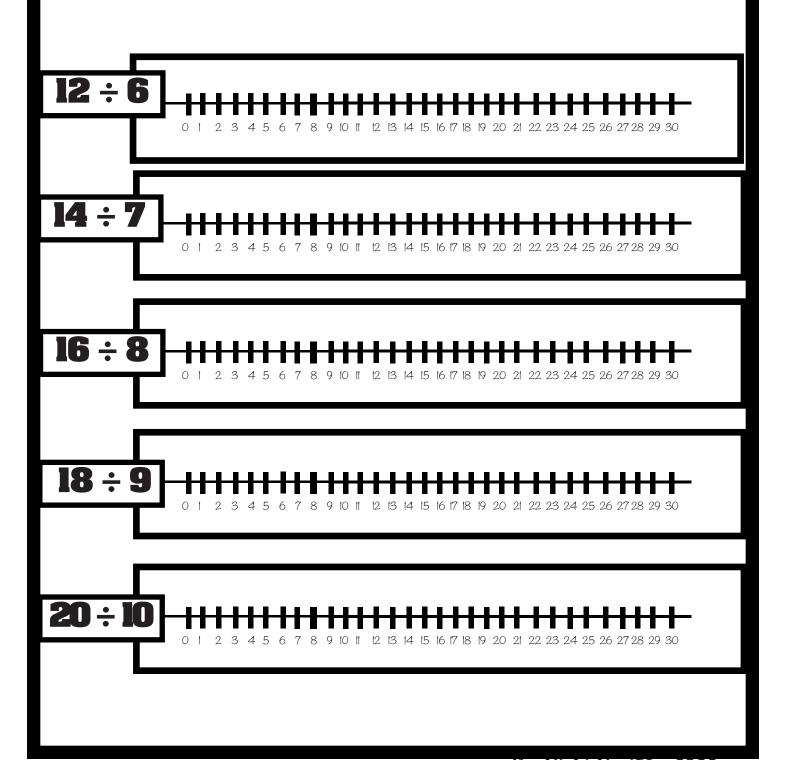
8 ÷ 4

0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30

10 ÷ 5

0 | 2 3 4 5 6 7 8 9 |0 || |2 |3 |4 |5 |6 |7 |8 |9 20 2| 22 23 24 25 26 27 28 29 30

Division Strategies: number lines



Division Vocabulary

dividend : divisor : quotient

12÷6=2

quotient

divisor 6 12

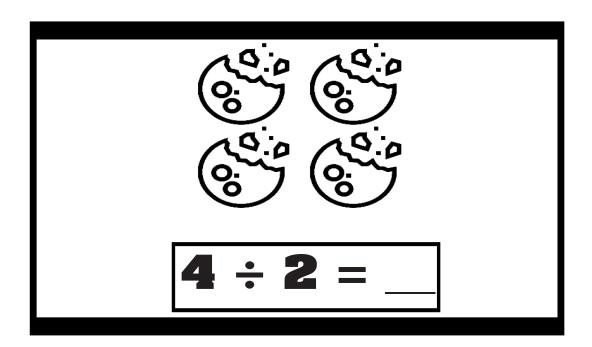
dividend

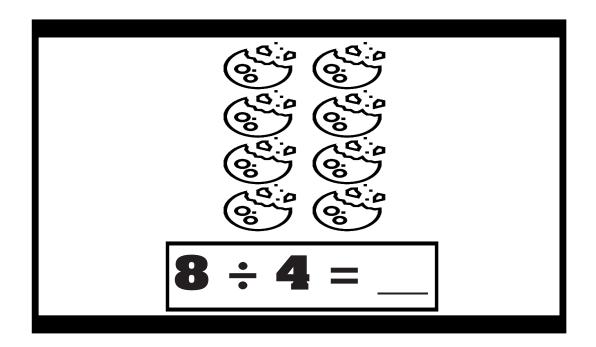
dividend

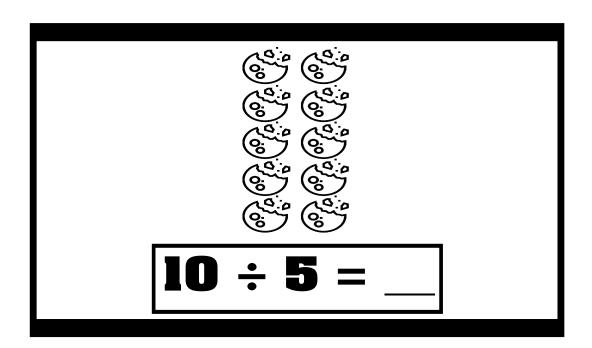
quotient

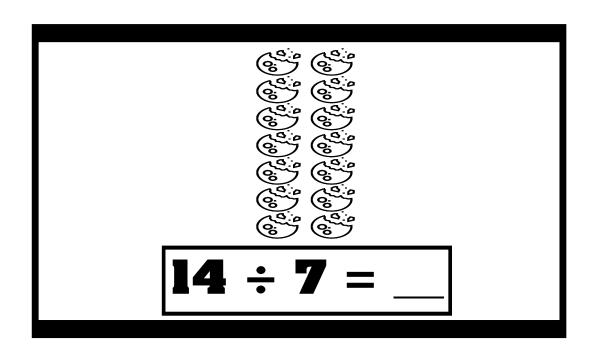
divisor

6

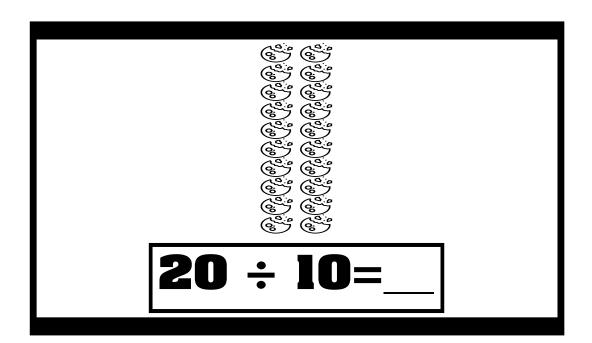








USE THE MODEL TO SOLVE



FREE CHOICE

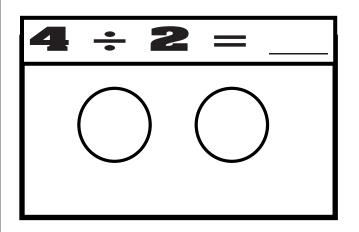
Array Flashcards write an equation that matches the array.

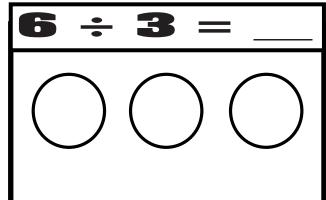
FREE CHOICE

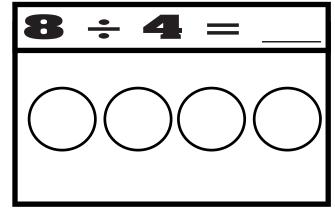
FREE CHOICE

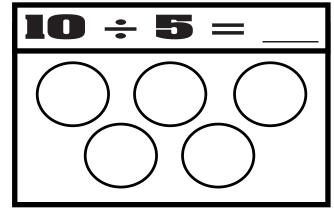
Equal Group Flashcards

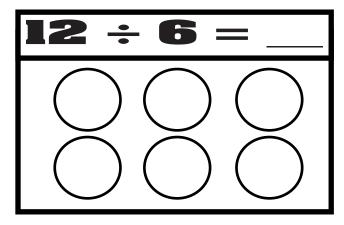
MAKE YOUR OWN EQUAL GROUP FLASHCARDS. DRAW EQUAL GROUPS TO MODEL THE PROBLEM.

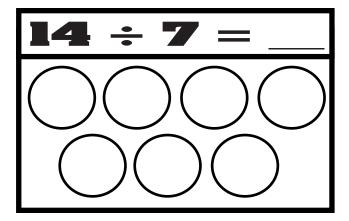






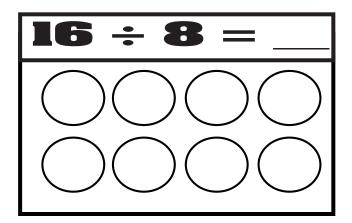


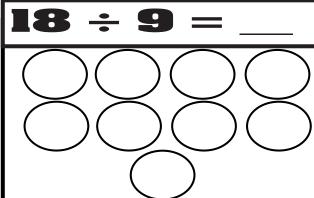


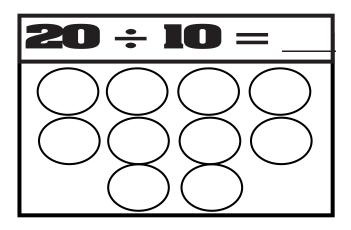


Equal Group Flashcards

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







Regular Flashcards

4 ÷ 2

6 ÷ 3

8 ÷ 4

10 ÷ 5

12 ÷ 6

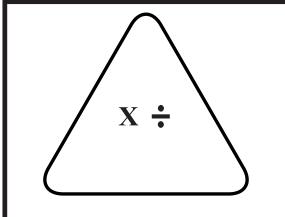
14 ÷ 7

Regular Flashcards

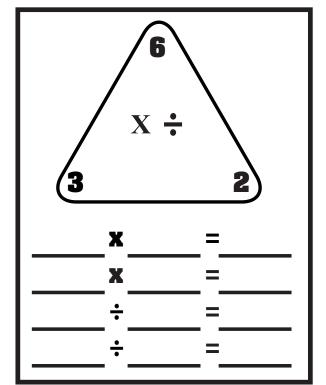
16 ÷ 8

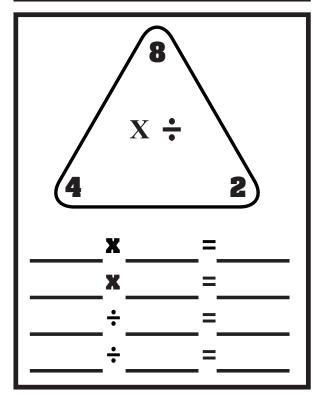
18 ÷ 9

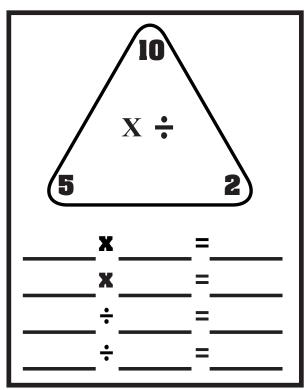
20 ÷ 10

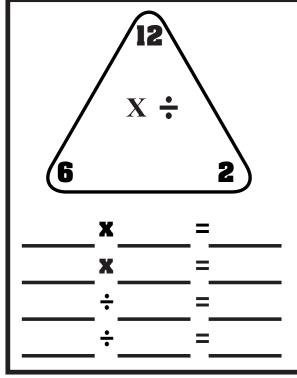


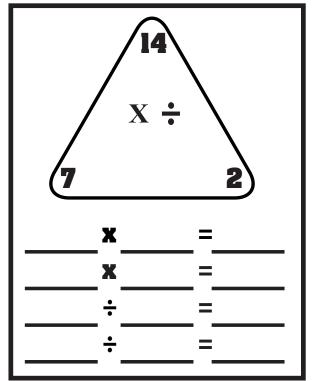
x	=
x	=
÷	=
÷	

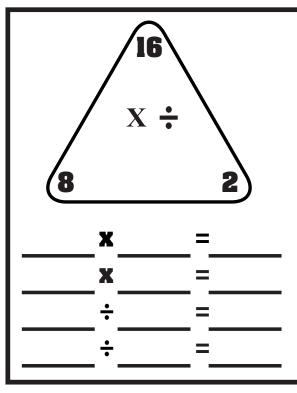


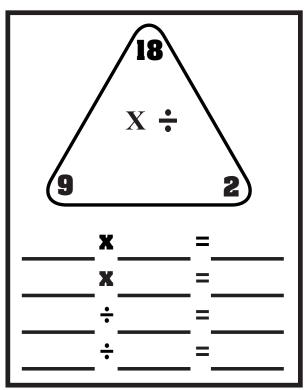


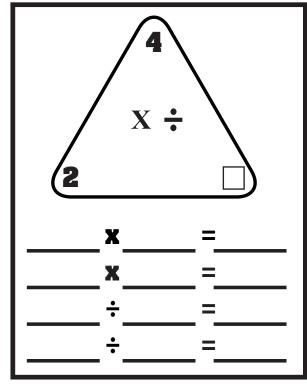


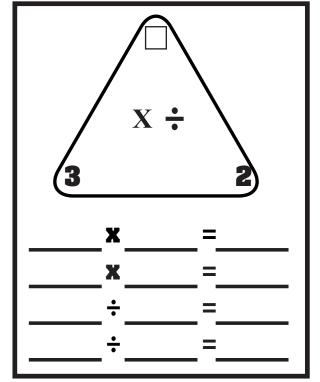


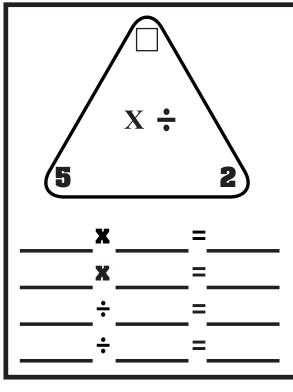


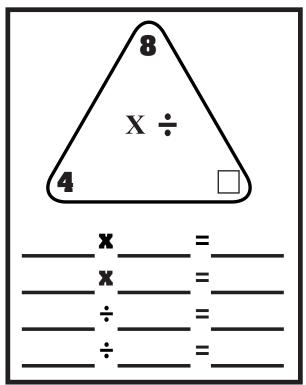


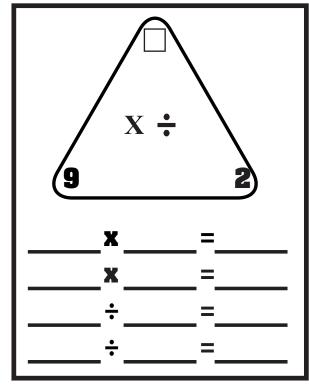


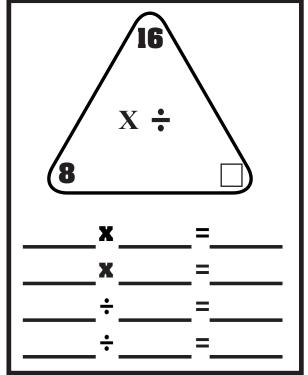


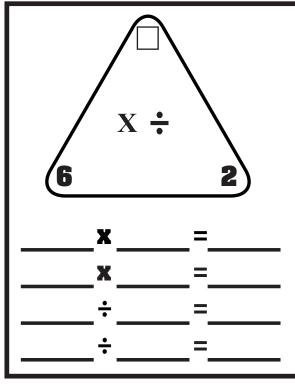


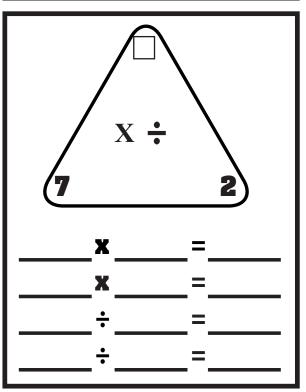












MARD BKARTEM

MODEL YOUR THINKING AND SOLVE THE PROBLEM.

THE BAKERY HAD 6 DONUTS. THEY PUT 3 IN EACH BAG. HOW MANY BAGS DID THEY USE? THE BAKERY HAD 8
DONUTS. THEY PUT 4 IN
EACH BAG. HOW MANY
BAGS DID THEY USE?

__÷___=

____÷___=___

THE BAKERY MADE 10
MUFFINS. THEY PACKED 5
IN A BOX. HOW MANY
BOXES DID THEY USE?

THE BAKERY MADE 18
HAND PIES. THEY PUT 9
IN EACH BOX. HOW MANY
BOXES DID THEY USE?

____÷___=___



Follow the directions in each box. Choose an equation to represent each problem.		
I CAN SKIP COUNT TO DIVIDE BY HALF!	I CAN USE EQUAL GROUPS TO DIVIDE BY HALF!	
I CAN USE ARRAYS TO MODEL DIVIDING BY HALF!	I CAN MODEL DIVIDING BY HALF ON THE NUMBER LINE!	
I CAN USE REPEATED SUBTRACTION TO DIVIDE BY	MY STRATEGY FOR THINKING ABOUT DIVIDING BY HALF IS	
HALF.	ADOUT DIVIDING DI HAHI 13	

CERTIFICATE

WATH W.

HAS SUCCESSFULLY PRACTICED DIVIDING BY HALF!

GREAT JOB!

TEACHER:

DATE:

Looking at the halves

$$4 \div 2 = 2$$

$$6 \div 3 = 2$$

$$8 \div 4 = 2$$

$$10 \div 5 = 2$$

$$14 \div 7 = 2$$

$$16 \div 8 = 2$$

$$18 \div 9 = 2$$

Bookmarks



DIVIDING BY HALF

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DIVIDING BY HALF

Hint: it's always 2 when you divide a number in half.

DIVIDING By

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