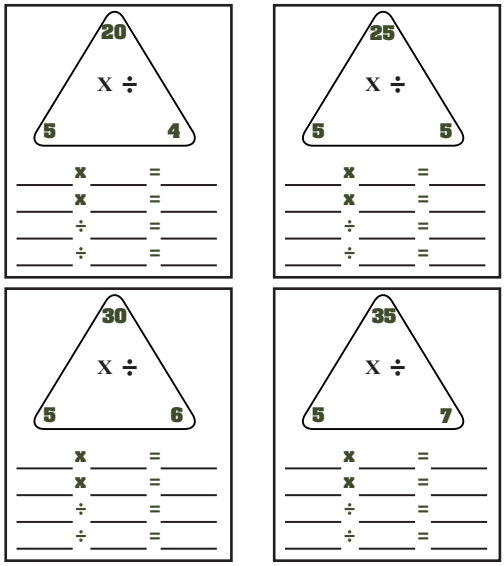
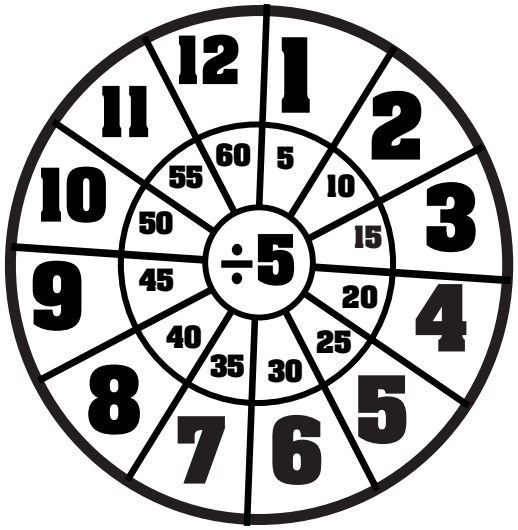
DIVIDING by 5

WORK BOOKLET ANSWER KEY

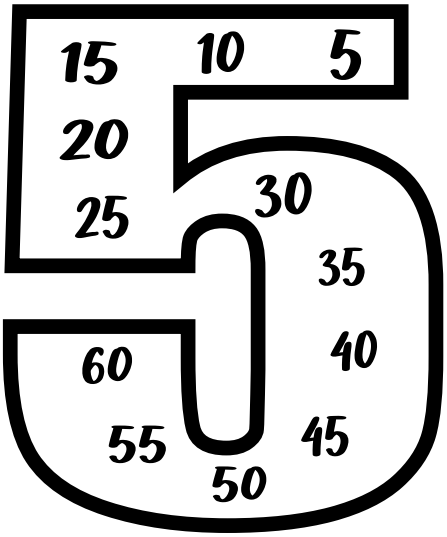
TRIANGLE FACT FAMILY



DIVISION WHEELS

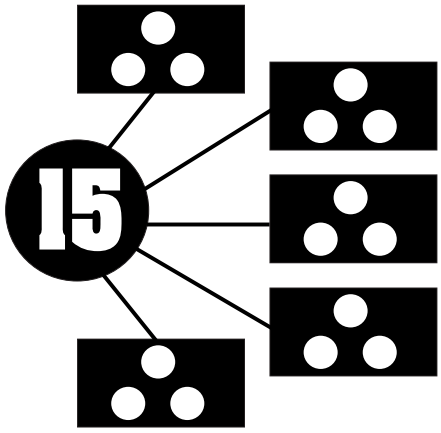


MULTIPLES OF 5



Division Strategies:

PARTITION

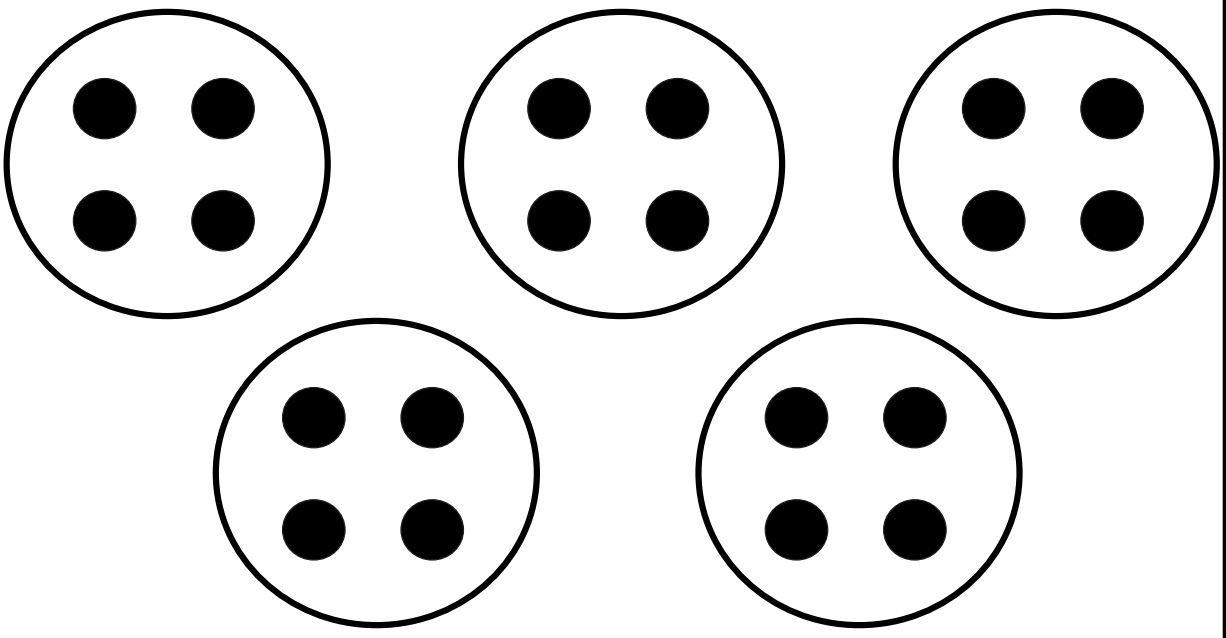


15 ÷ 5 = 3

STRATEGY POSTER

When dividing by 5, think multiplication! 5 x ? =

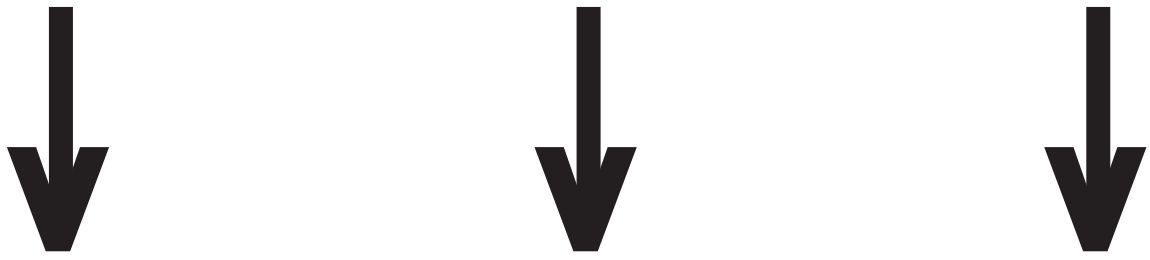
20 ÷ 5 = 4



Hint : think multiplication! 5 x ? = 20

DIVISION

$$25 \div 5 = 5$$



DIVIDEND DIVISOR QUOTIENT

MULTIPLES OF FIVE

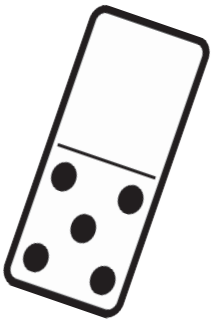
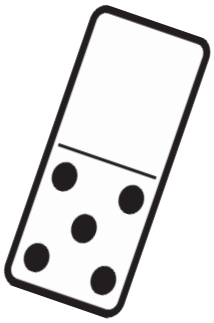
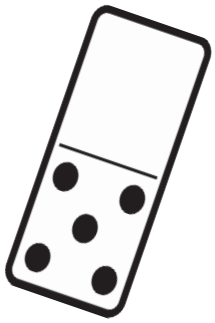
5 10 15

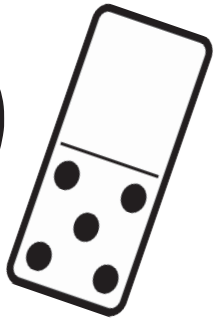
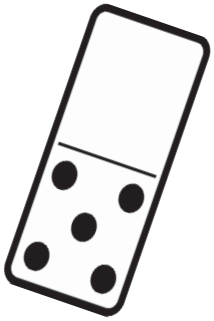
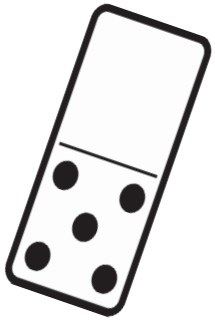
20 25 30

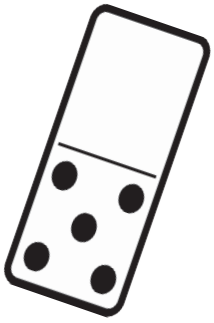
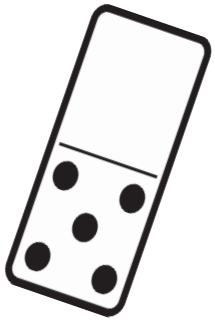
35 40 45

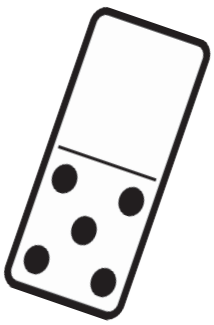
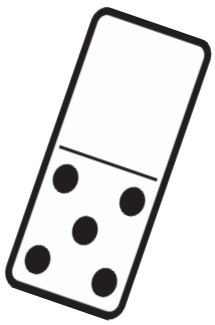
50 55 60

MULTIPLES OF FIVE

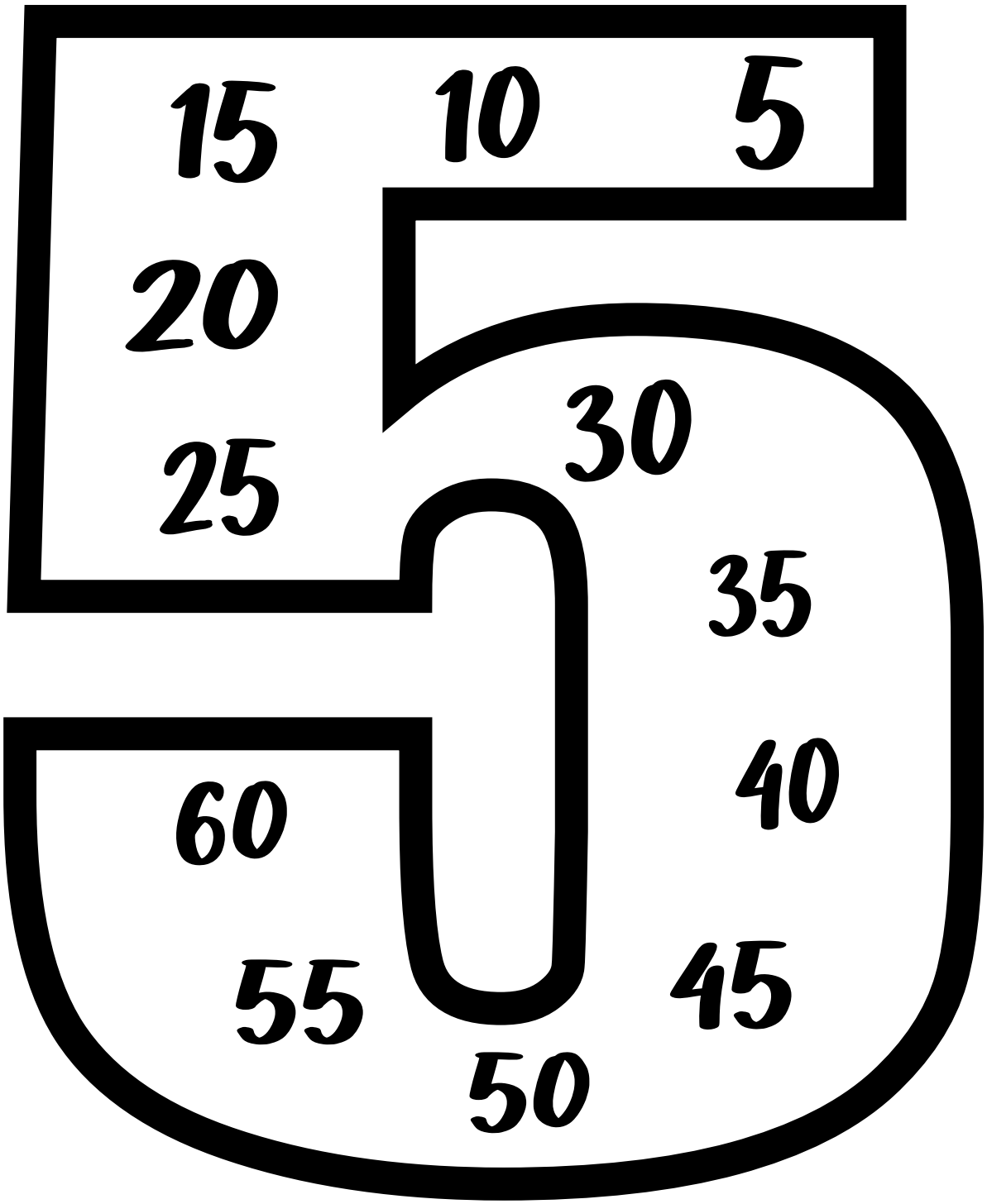
5  10  15 

20  25  30 

35  40  45 

50  55  60 

MULTIPLES OF 5



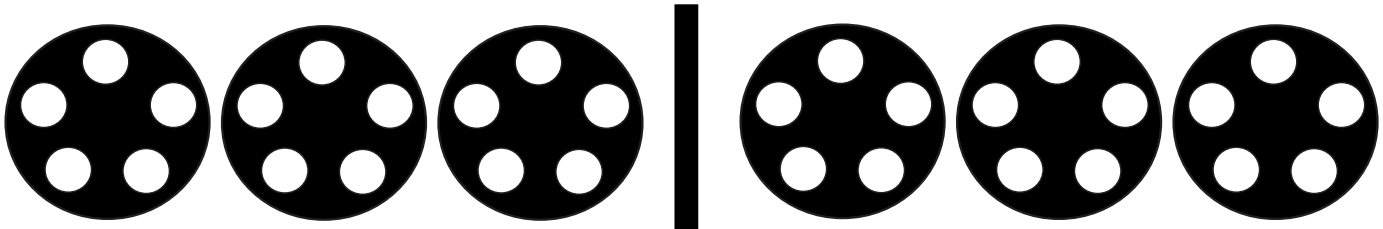
VOCABULARY

DISTRIBUTIVE PROPERTY

There were 30 marbles. I put 5 in each bag. How many bags did I use?

30 ÷ 5 = (15 ÷ 5) + (15 ÷ 5) = 3 + 3 = 6

30 ÷ 5



15 ÷ 5 | **15 ÷ 5**

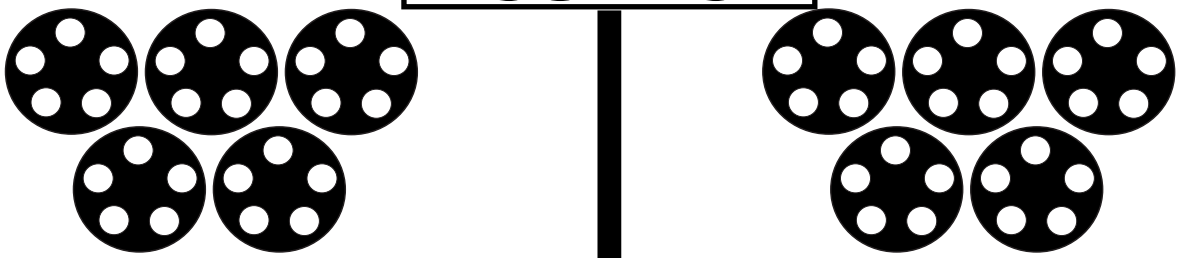
3 + 3 = 6

MODEL THE FACT

There were 50 marbles. I put 5 in each bag. How many bags did I use?

50 ÷ 5 = (25 ÷ 5) + (25 ÷ 5) = 5 + 5 = 10

50 ÷ 5



25 ÷ 5 | **25 ÷ 5**

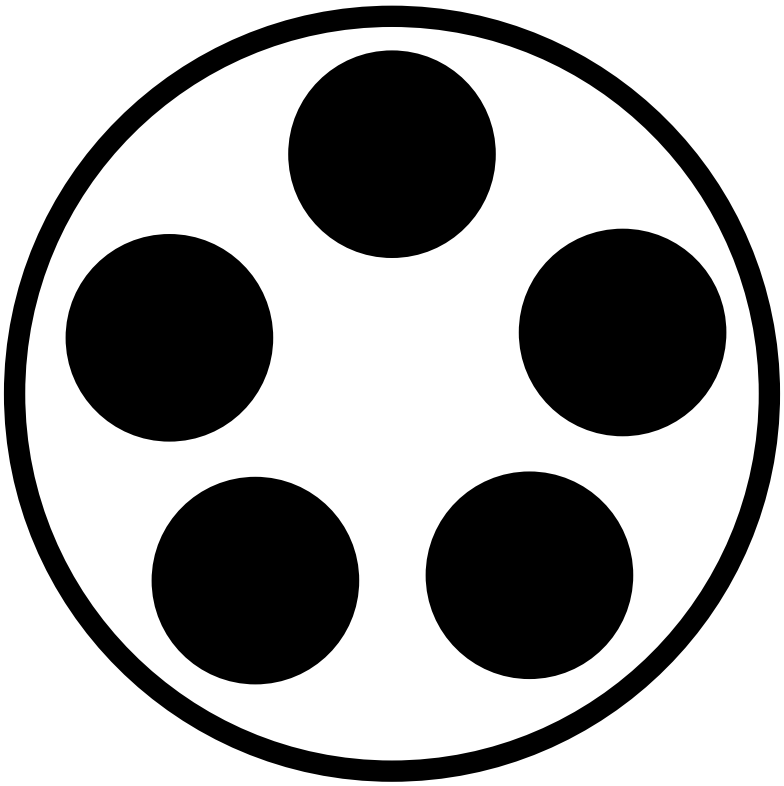
5 + 5 = 10

IDENTITY PROPERTY

DIVIDING A NUMBER BY 1

$$5 \div 1 = 5$$

$8 \div 1$ $3 \div 1$ $9 \div 1$



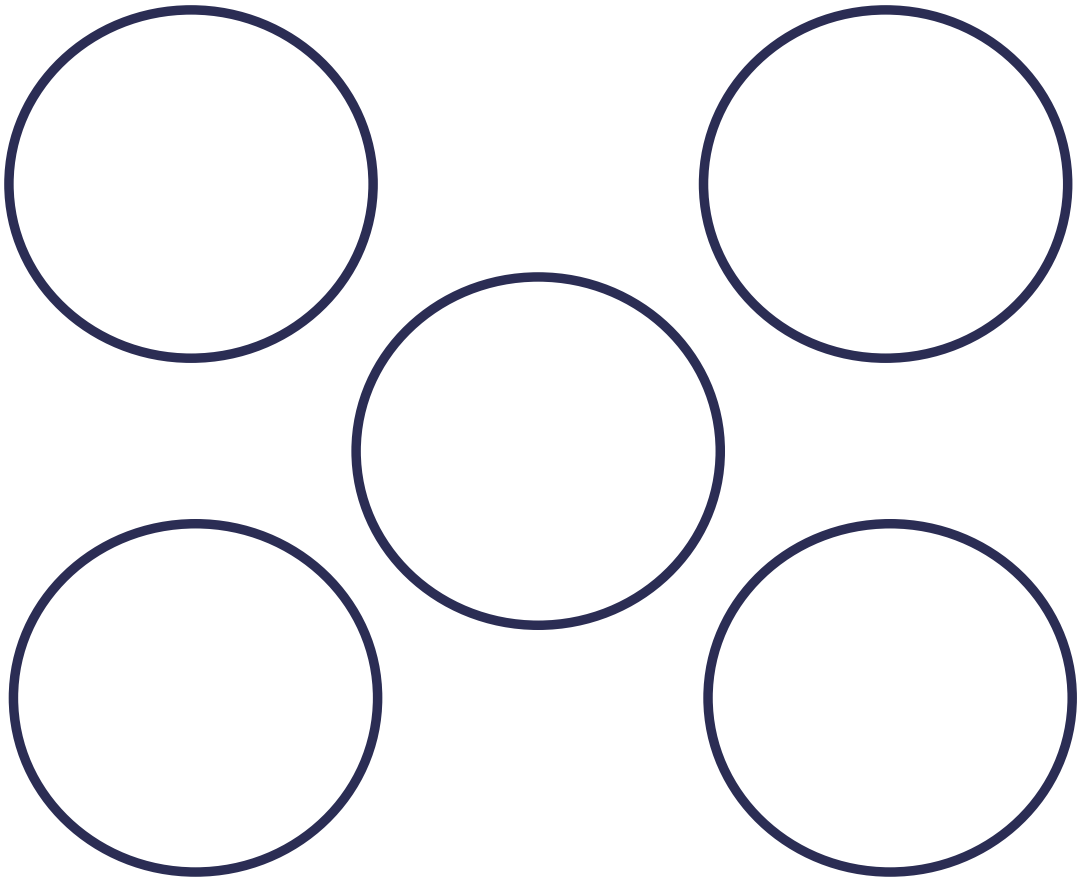
Hint : It's always the number when you divide by 1.

ZERO PROPERTY

DIVIDING 0 BY A NUMBER

$$0 \div 5 = 0$$

$0 \div 3$ $0 \div 1$ $0 \div 4$



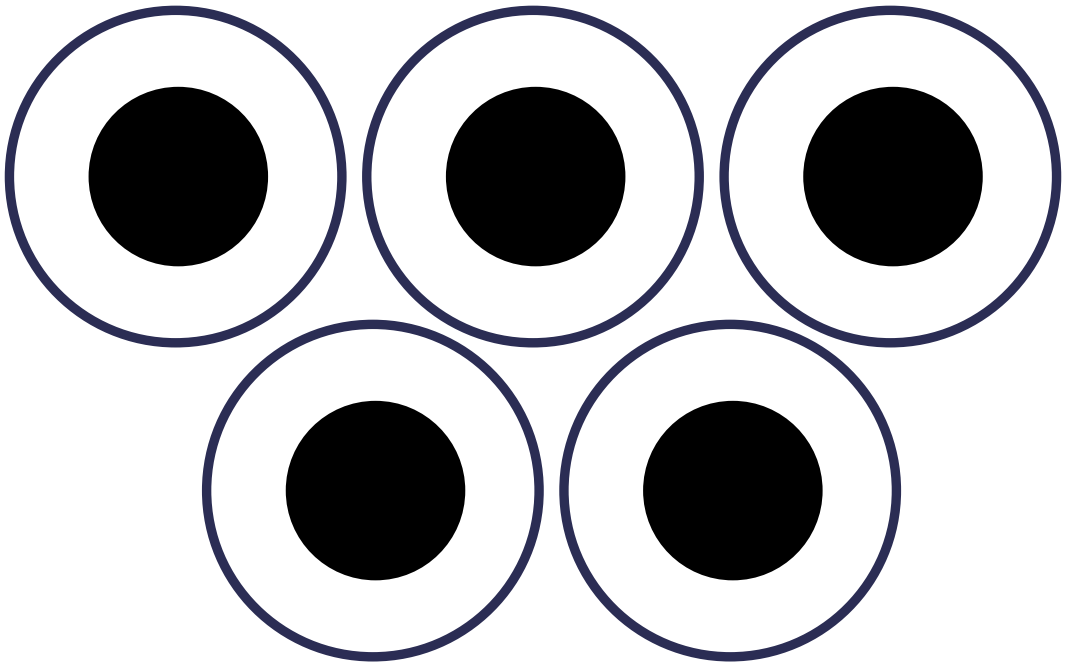
Hint : It's always 0 when you divide zero by a number.

DIVISION BY ITSELF PROPERTY

DIVIDING A NUMBER BY ITSELF

$$5 \div 5 = 1$$

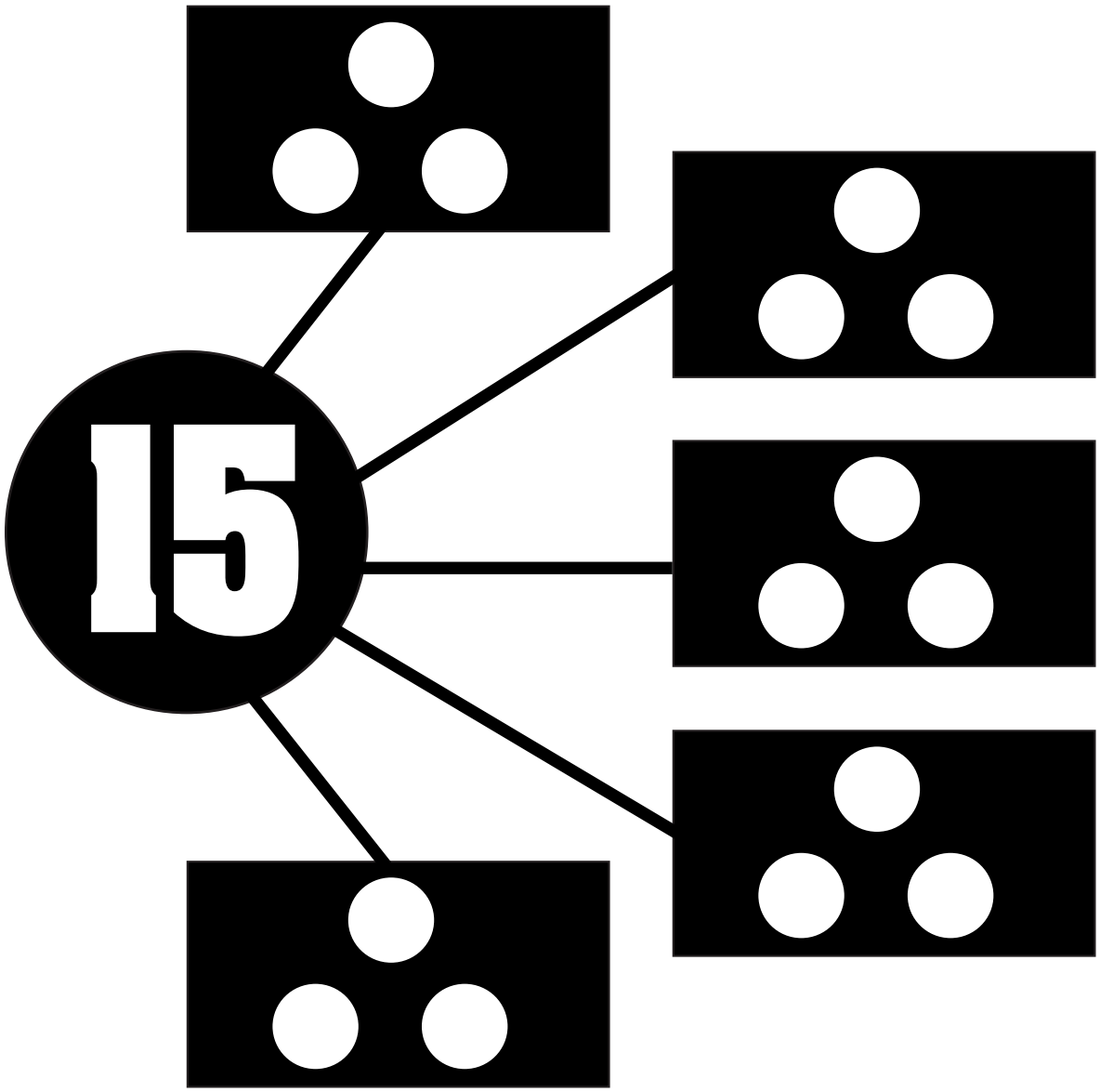
$6 \div 6$ $7 \div 7$ $8 \div 8$



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

Division Strategies:

PARTITION

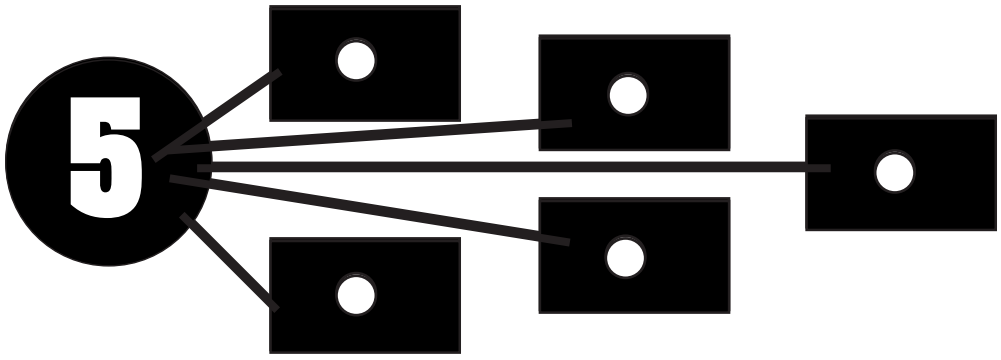


15 ÷ 5 = 3

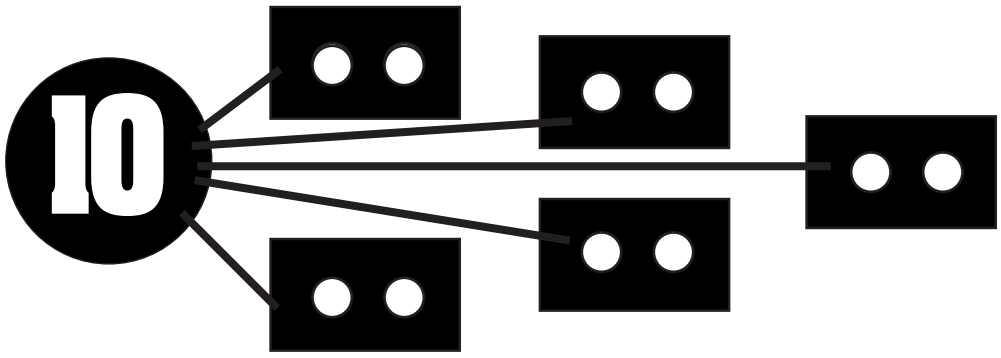
Division Strategies:

PARTITION

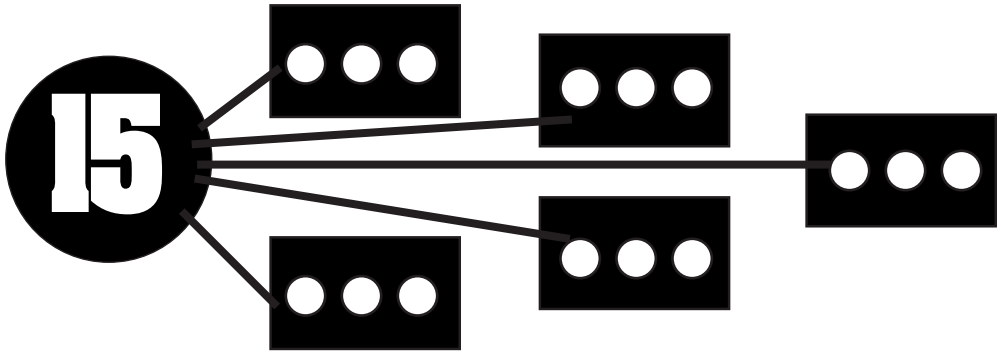
$5 \div 5 = 1$



$10 \div 5 = 2$



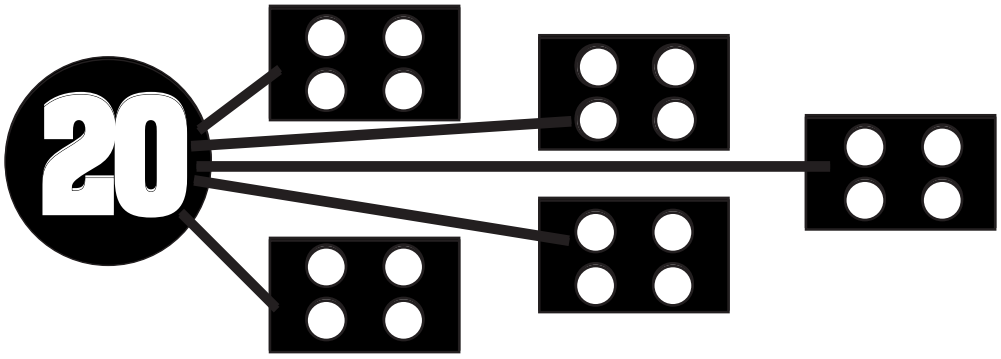
$15 \div 5 = 3$



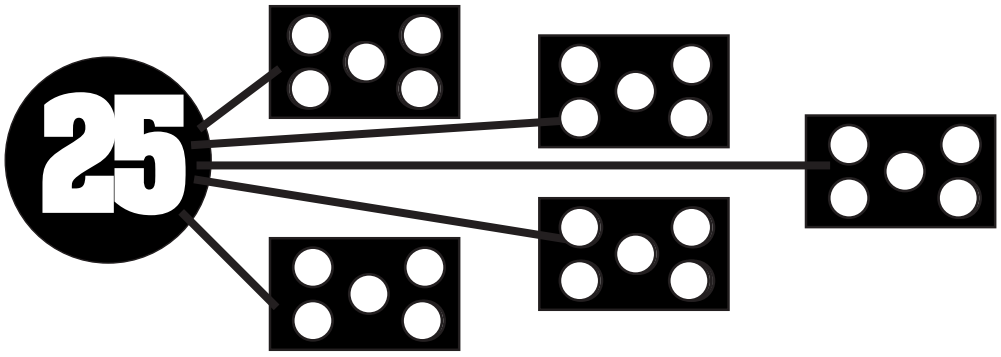
Division Strategies:

PARTITION

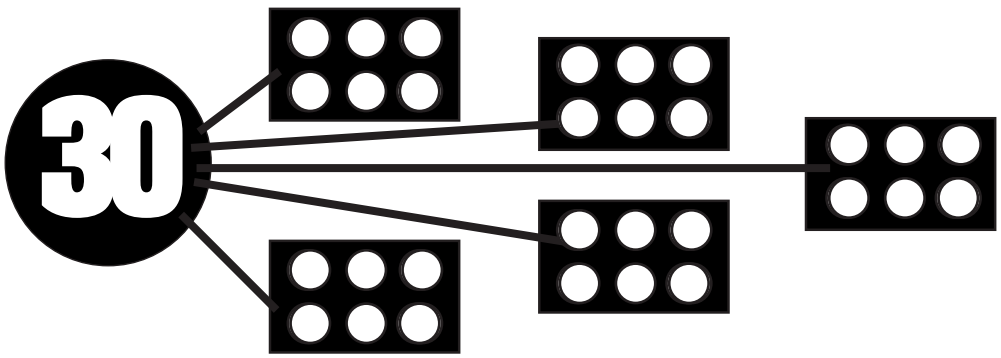
20 ÷ 5 = 4



25 ÷ 5 = 5



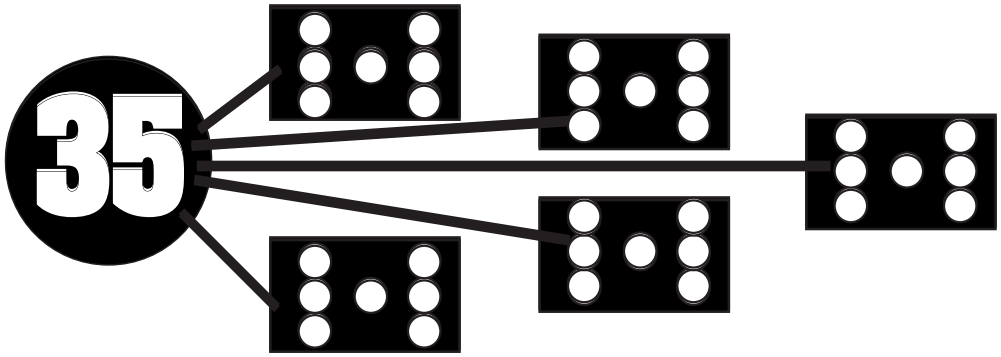
30 ÷ 5 = 6



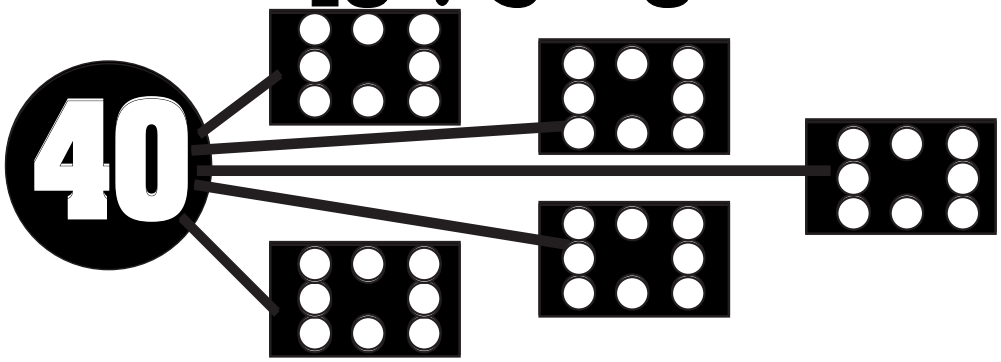
Division Strategies:

PARTITION

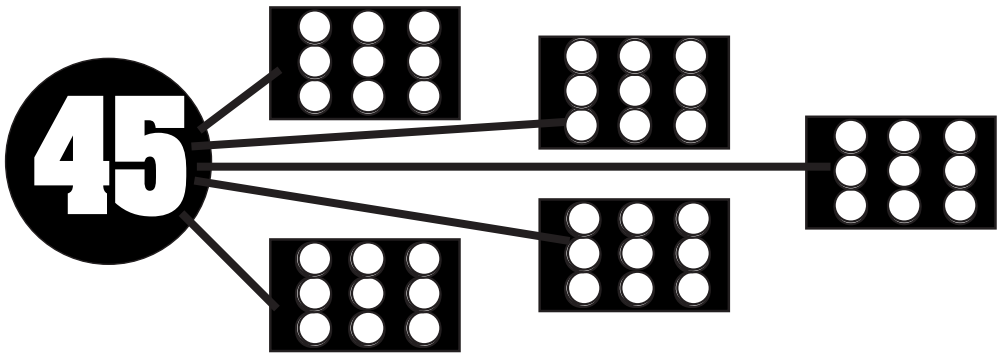
35 ÷ 5 = 7



40 ÷ 5 = 8



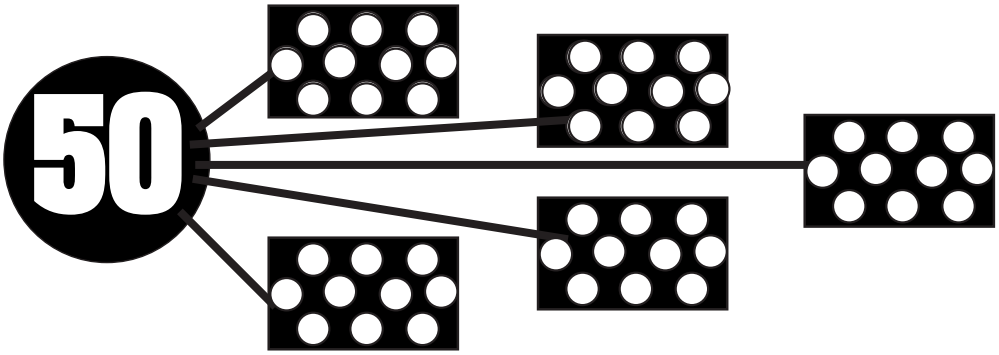
45 ÷ 5 = 9



Division Strategies:

PARTITION

$50 \div 5 = 10$



FREE CHOICE

FREE CHOICE

Division Strategies:

RELATED FACT

30 ÷ 5 = 6

think

5 x 6 = 30

5 ÷ 5 = 1

think

5 x 1 = 5

40 ÷ 5= 8

think

5 x 8 = 40

45 ÷ 5 = 9

think

5 x 9 = 45

Division Strategies:

RELATED FACT

10 ÷ 5 = 2

think

5 x 2 = 10

20 ÷ 5 = 4

think

5 x 4 = 20

15 ÷ 5 = 3

think

5 x 3 = 15

25 ÷ 5 = 5

think

5 x 5 = 25

Division Strategies:

RELATED FACT

50 ÷ 5 = 10

think

5 x 10 = 50

35 ÷ 5 = 7

think

5 x 7 = 35

__ ÷ __ = __

think

__ x __ = __

__ ÷ __ = __

think

__ x __ = __

Division Strategies:

REPEATED SUBTRACTION

$$30 \div 5 = ?$$

$$30 - 5 = 25$$

$$25 - 5 = 20$$

$$20 - 5 = 15$$

$$15 - 5 = 10$$

$$10 - 5 = 5$$

$$5 - 5 = 0$$

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

Division Strategies:

REPEATED SUBTRACTION

30 ÷ 5 = ?

30 - 5 = 25

25 - 5 = 20

20 - 5 = 15

15 - 5 = 10

10 - 5 = 5

5 - 5 = 0

30 ÷ 5 = 6

Division Strategies:
REPEATED SUBTRACTION

35 ÷ 5 = ?

35 - 5 = 30
30 - 5 = 25
25 - 5 = 20
20 - 5 = 15
15 - 5 = 10
10 - 5 = 5
5 - 5 = 0

35 ÷ 5 = 7

Division Strategies:
REPEATED SUBTRACTION

25 ÷ 5 = ?

25 - 5 = 20
20 - 5 = 15
15 - 5 = 10
10 - 5 = 5
5 - 5 = 0

25 ÷ 5 = 5

Division Strategies:
REPEATED SUBTRACTION

40 ÷ 5 = ?

40 - 5 = 35

35 - 5 = 30

30 - 5 = 25

25 - 5 = 20

20 - 5 = 15

15 - 5 = 10

10 - 5 = 5

5 - 5 = 0

40 ÷ 5 = 8

Division Strategies:

REPEATED SUBTRACTION

$45 \div 5 = ?$

$45 - 5 = 40$

$40 - 5 = 35$

$35 - 5 = 30$

$30 - 5 = 25$

$25 - 5 = 20$

$20 - 5 = 15$

$15 - 5 = 10$

$10 - 5 = 5$

$5 - 5 = 0$

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

Modeling Division:
SKIP COUNTING

DRAW ON A NUMBER LINE

5 10 15 20 25 30 35 40 45 50

5 10 15 20 25 30 35 40 45 50

FILL IN THE MISSING NUMBERS

5	10	15	20	25	30	35	40	45	50

5	10	15	20	25	30	35	40	45	50

Modeling Division:
SKIP COUNTING

FILL IN THE MISSING NUMBERS

5	10	15	20	25	30	35	40	45	50

FILL IN THE MISSING NUMBERS

5	10	15	20	25	30	35	40	45	50

FILL IN THE MISSING NUMBERS

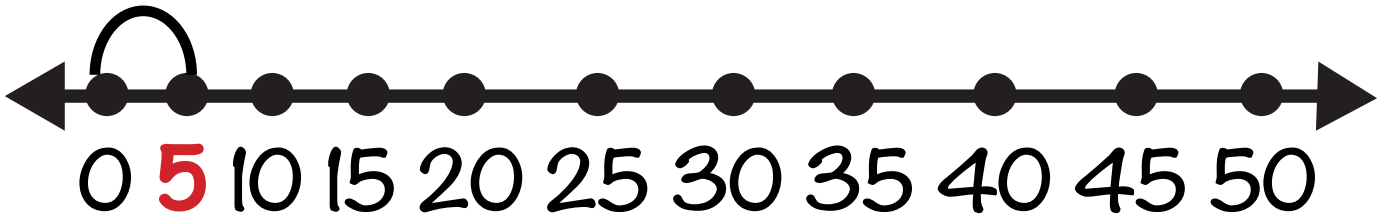
5	10	15	20	25	30	35	40	45	50

FILL IN THE MISSING NUMBERS

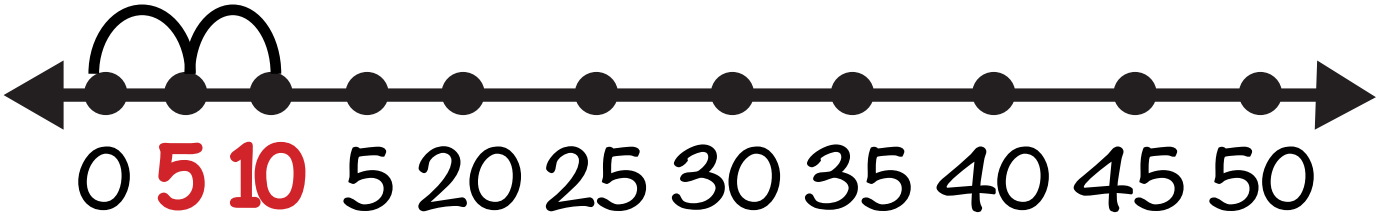
5	10	15	20	25	30	35	40	45	50

Division Strategies:
SKIP COUNTING

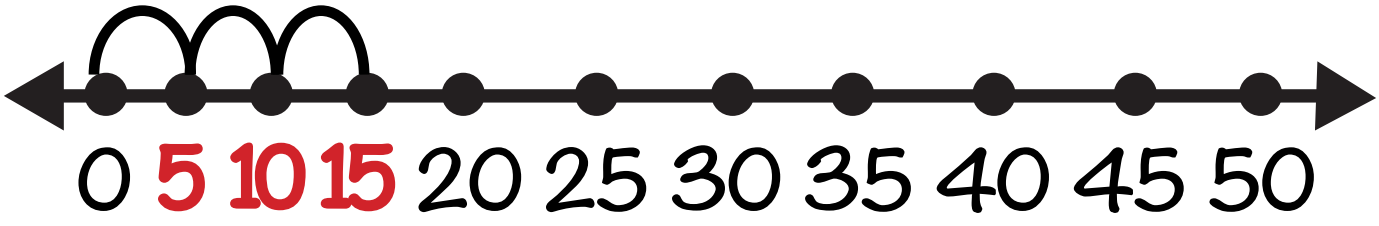
MODEL 5 ÷ 5 ON THE NUMBER LINE



MODEL 10 ÷ 5 ON THE NUMBER LINE

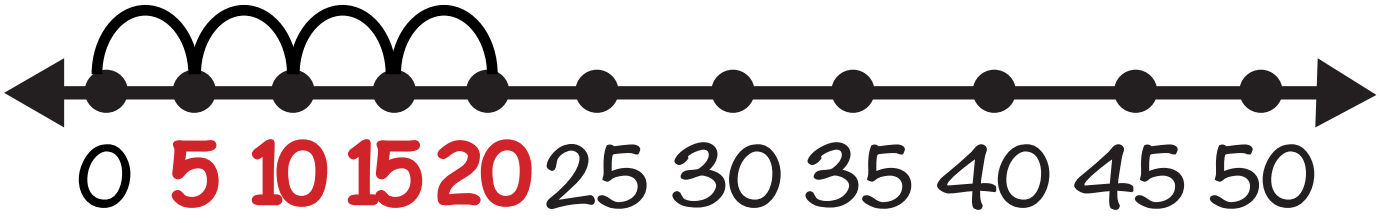


MODEL 15 ÷ 5 ON THE NUMBER LINE

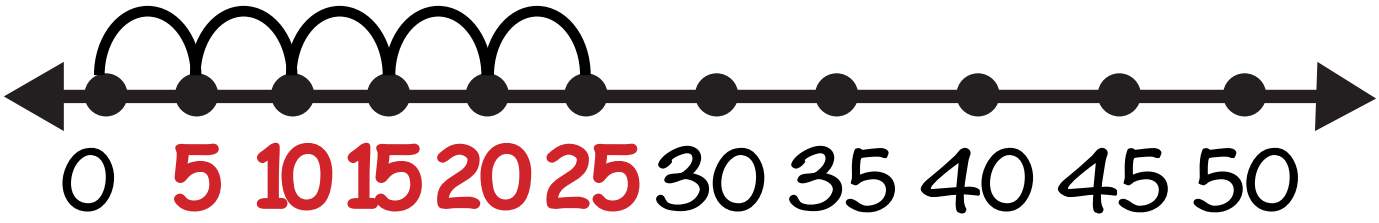


Division Strategies:
SKIP COUNTING

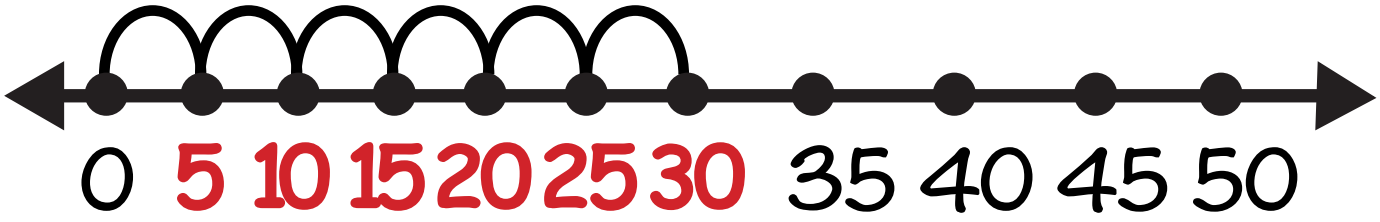
MODEL 20 ÷ 5 ON THE NUMBER LINE



MODEL 25 ÷ 5 ON THE NUMBER LINE



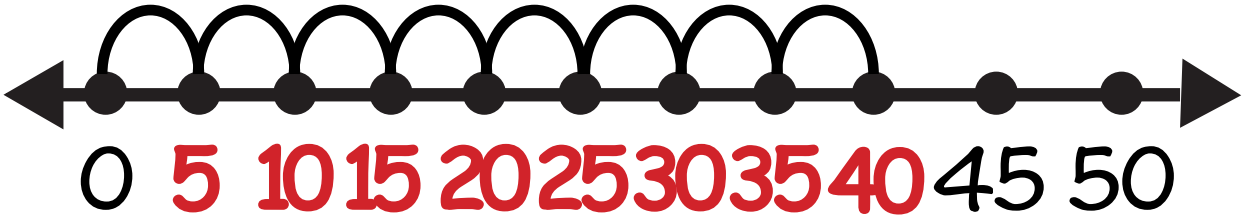
MODEL 30 ÷ 5 ON THE NUMBER LINE



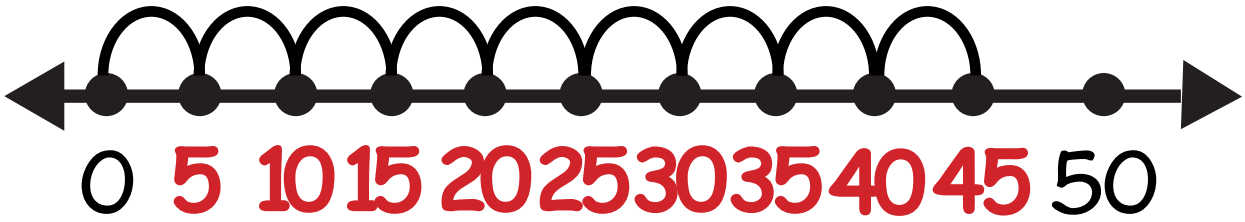
MODEL 35 ÷ 5 ON THE NUMBER LINE

Division Strategies:
SKIP COUNTING

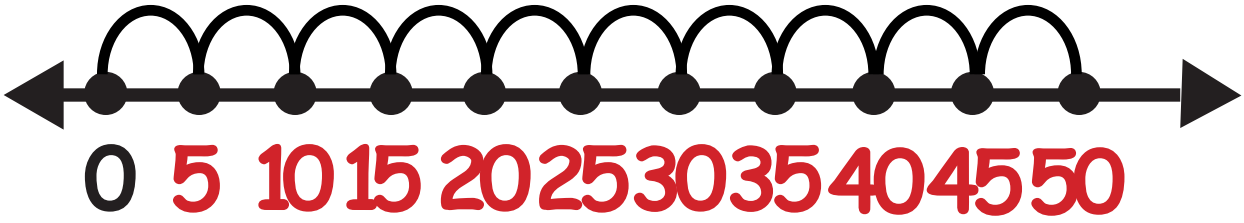
MODEL 40 ÷ 5 ON THE NUMBER LINE



MODEL 45 ÷ 5 ON THE NUMBER LINE



MODEL 50 ÷ 5 ON THE NUMBER LINE

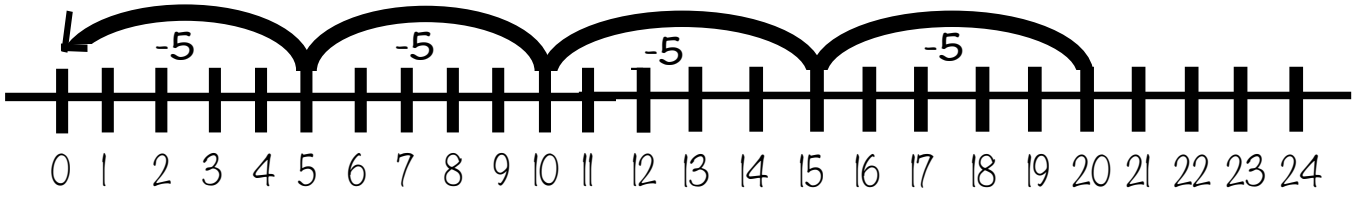


Division Strategies:

NUMBER LINES

THERE ARE 20 COOKIES AND YOU PUT 5 IN A BAG. HOW MANY BAGS DO YOU HAVE?

20 ÷ 5 = 4

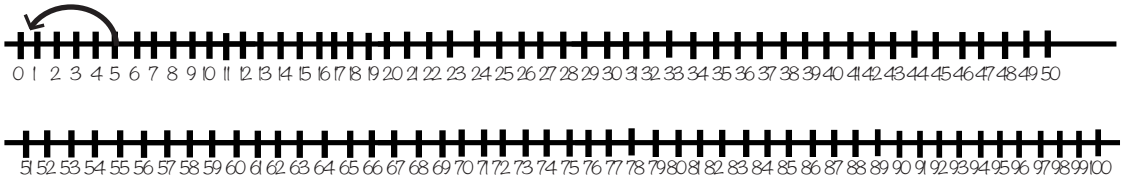


HOW MANY JUMPS UNTIL YOU GET TO ZERO?
THE FIRST NUMBER IS HOW MANY COOKIES? (DIVIDEND). THE SECOND NUMBER IS HOW MANY ARE IN A BAG (DIVISOR). THE QUESTION IS HOW MANY BAGS DO YOU NEED (QUOTIENT)?

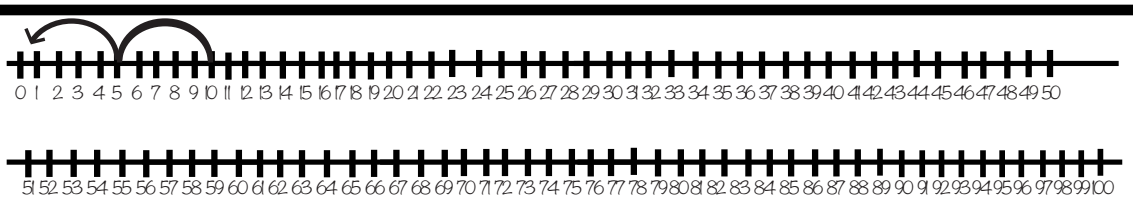
SOLVE THE PROBLEM ON THE NUMBER LINE.

HOW MANY JUMPS UNTIL YOU GET TO ZERO?

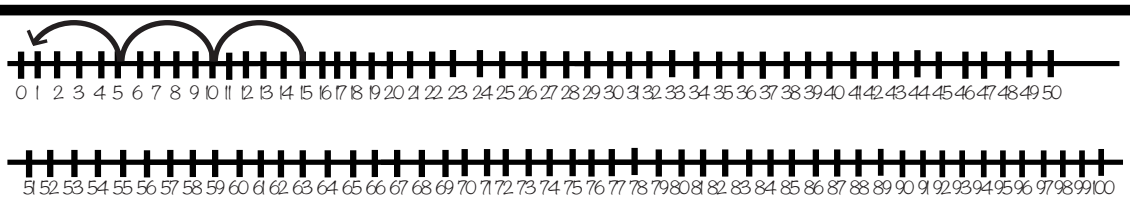
5 ÷ 5



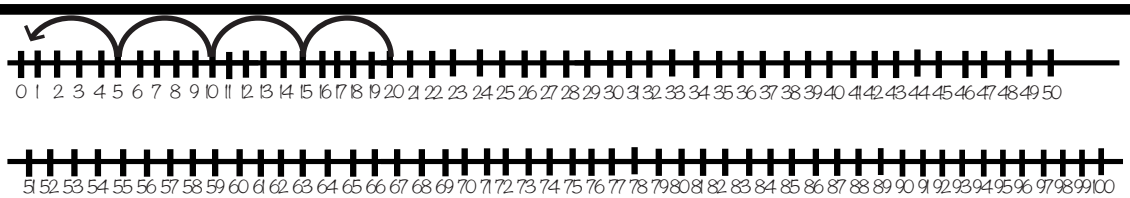
10 ÷ 5



15 ÷ 5



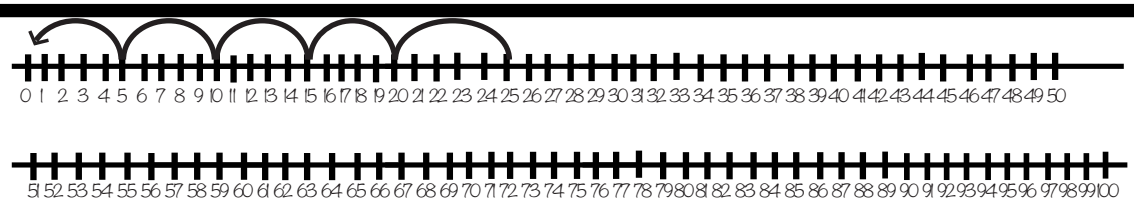
20 ÷ 5



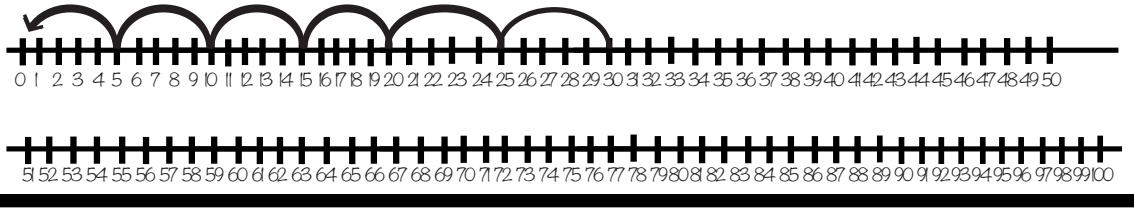
Division Strategies:

NUMBER LINES

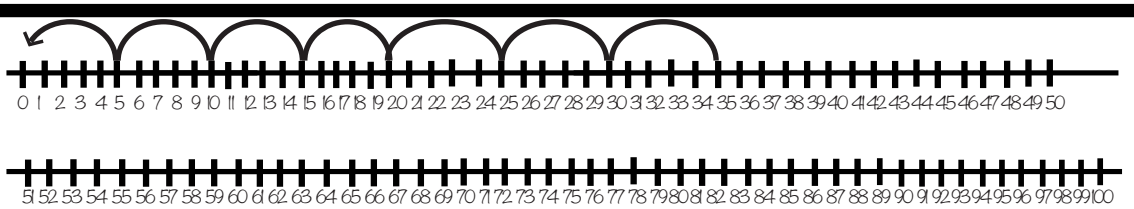
25 ÷ 5



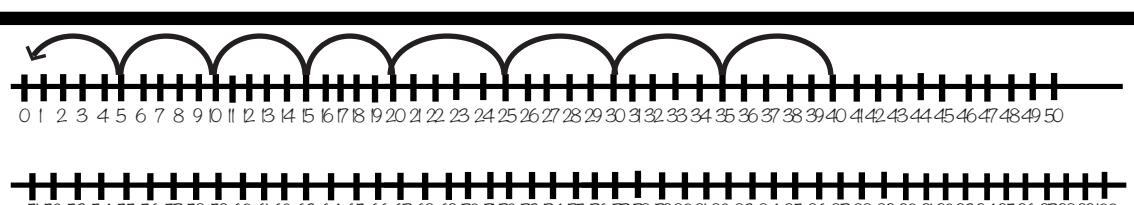
30 ÷ 5



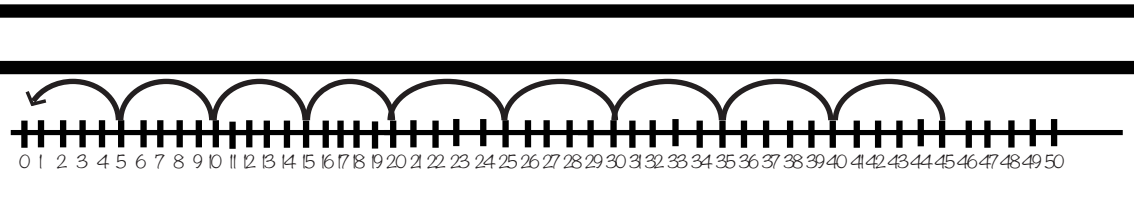
35 ÷ 5



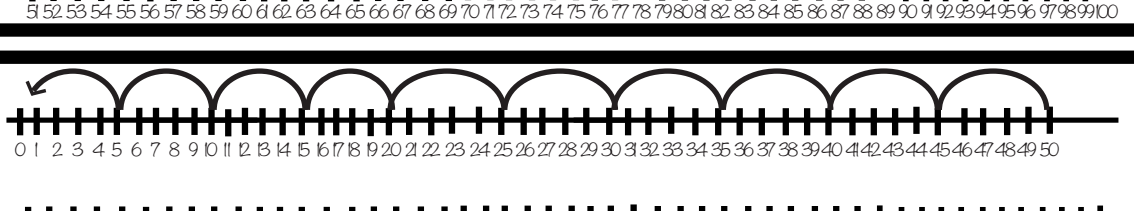
40 ÷ 5



45 ÷ 5



50 ÷ 5



Division Strategies:

SKIP COUNTING CHART

5	30
10	35
15	40
20	45
25	50

Division Vocabulary

dividend | divisor | quotient

$$15 \div 5 = 3$$

	5	quotient
divisor	5 ⟌ 15	dividend

dividend
divisor

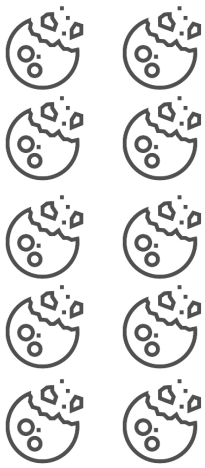
$$\frac{15}{5} = 3$$

quotient

Array Flashcards

USE THE MODEL TO SOLVE

5 ÷ 5 = 1

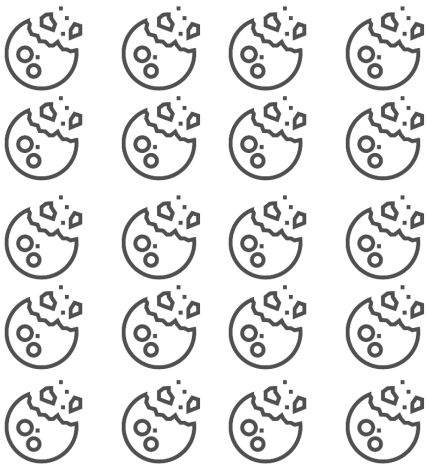


10 ÷ 5 = 2

Array Flashcards

USE THE MODEL TO SOLVE

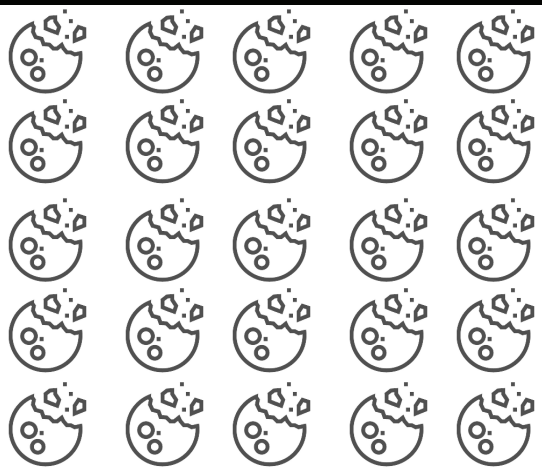
$15 \div 5 = \underline{3}$



$20 \div 5 = \underline{4}$

Array Flashcards

USE THE MODEL TO SOLVE

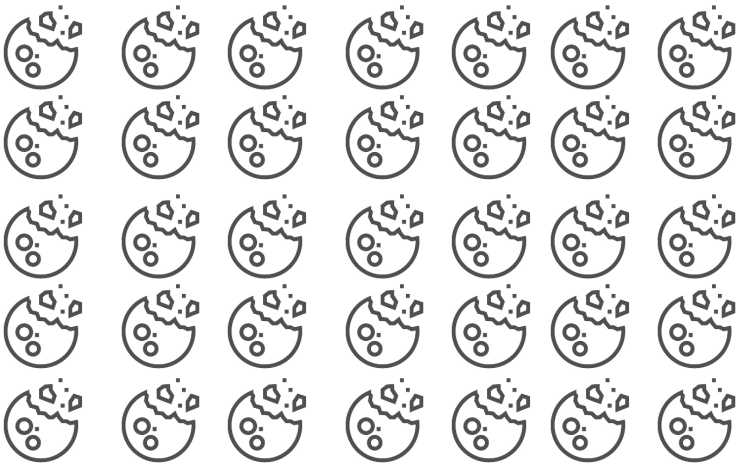


25 ÷ 5 = 5

30 ÷ 5 = 6

Array Flashcards

USE THE MODEL TO SOLVE

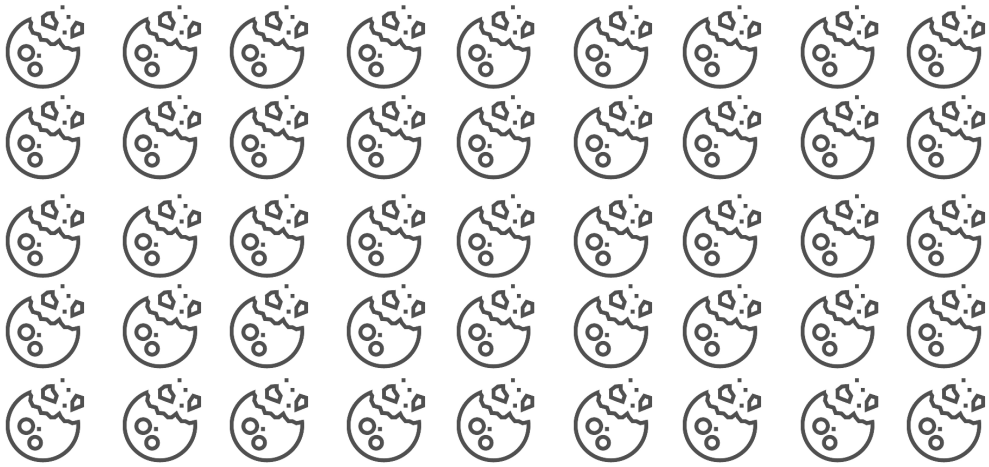


35 ÷ 5 = 7

40 ÷ 5 = 8

Array Flashcards

USE THE MODEL TO SOLVE



45 ÷ 5 = 9

50 ÷ 5 = 10

Array Flashcards

WRITE AN EQUATION THAT MATCHES THE ARRAY.

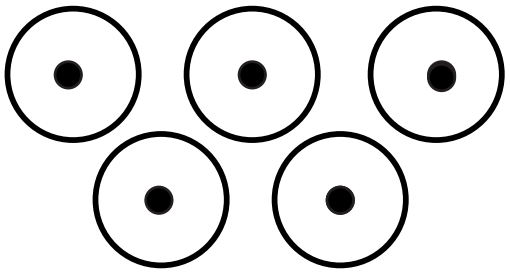
FREE CHOICE

FREE CHOICE

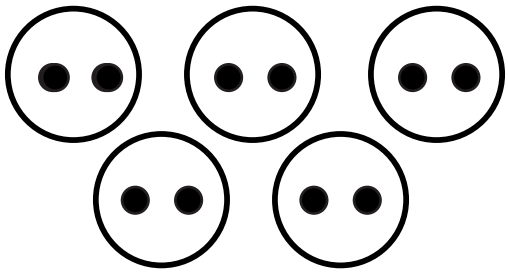
Equal Group Flashcards

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

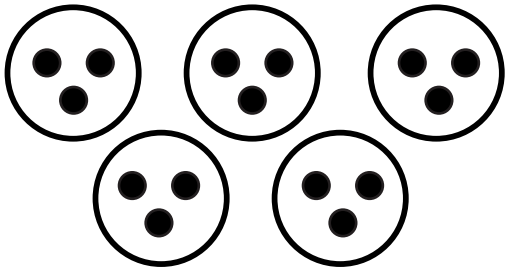
5 ÷ 5 = 1



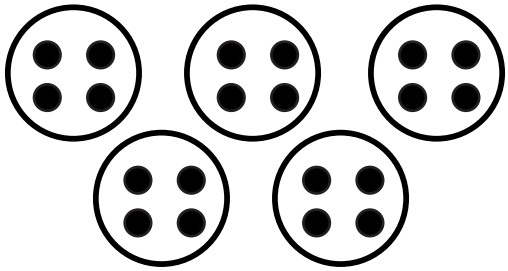
10 ÷ 5 = 2



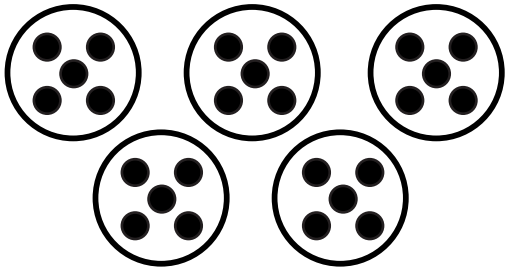
15 ÷ 5 = 3



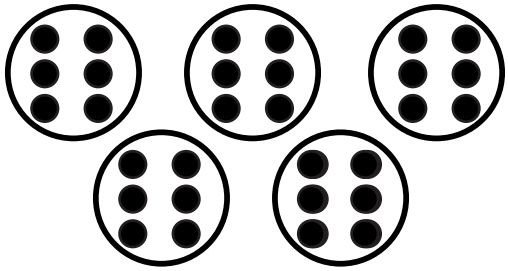
20 ÷ 5 = 4



25 ÷ 5 = 5



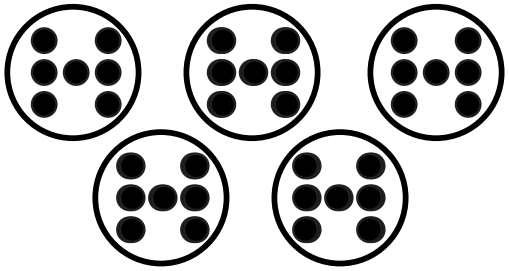
30 ÷ 5 = 6



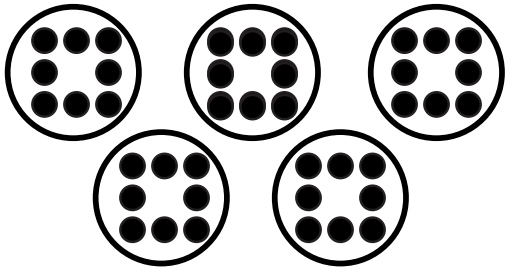
Equal Group Flashcards

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

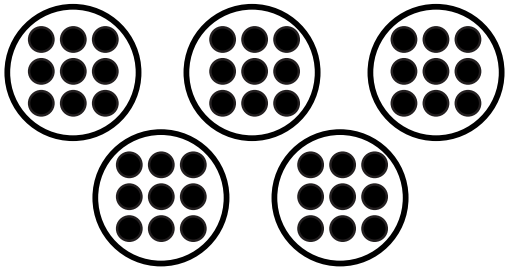
35 ÷ 5 = 7



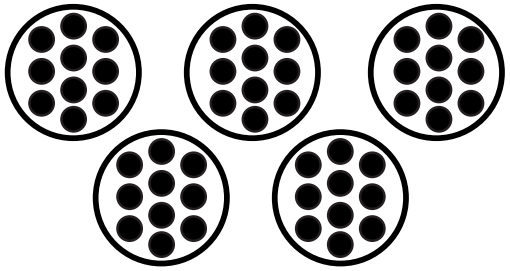
40 ÷ 5 = 8



45 ÷ 5 = 9



50 ÷ 5 = 10



Regular Flashcards

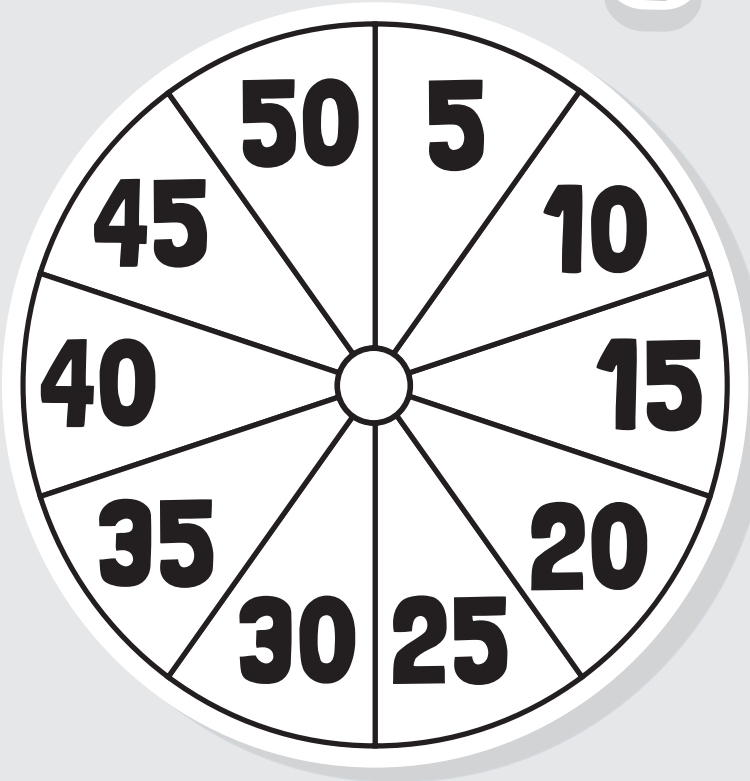
0 ÷ 5	5 ÷ 5
10 ÷ 5	15 ÷ 5
20 ÷ 5	25 ÷ 5

Regular Flashcards

30 ÷ 5	35 ÷ 5
40 ÷ 5	45 ÷ 5
50 ÷ 5	

Dr. Nicki Newton 2022

Dividing Spinoff



÷ 5

Instructions: Spin the spinner and write down the division sentence. Your partner spins the spinner and writes down the division sentence. Whoever has the lowest dividend wins a point. Whoever gets 7 points first wins the game. Play again.

Hint: Think Multiplication to solve!

Dividing by 5 Calling Cards

0	1	2	3	4
5	6	7	8	9
		10		

Dividing by 5
4 IN A ROW

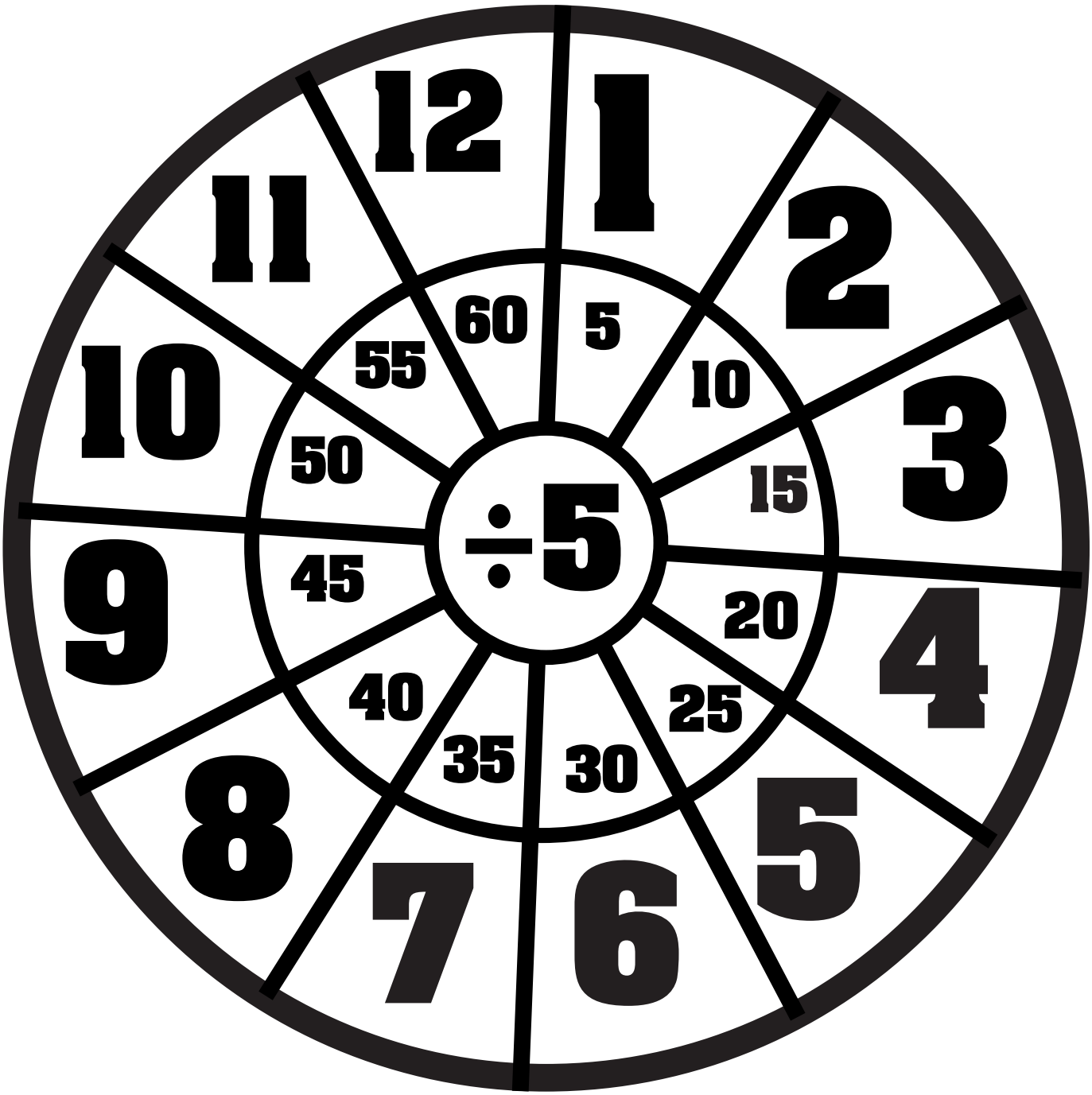
CHECK YOUR ANSWERS USING YOUR BOOKMARK.

40 ÷ 5 = ?	30 ÷ 5 = ?	10 ÷ 5 = ?	0 ÷ 5 = ?	20 ÷ 5 = ?	50 ÷ 5 = ?
30 ÷ 5 = ?	35 ÷ 5 = ?	40 ÷ 5 = ?	45 ÷ 5 = ?	50 ÷ 5 = ?	15 ÷ 5 = ?
10 ÷ 5 = ?	5 ÷ 5 = ?	20 ÷ 5 = ?	15 ÷ 5 = ?	25 ÷ 5 = ?	0 ÷ 5 = ?
0 ÷ 5 = ?	10 ÷ 5 = ?	45 ÷ 5 = ?	5 ÷ 5 = ?	20 ÷ 5 = ?	25 ÷ 5 = ?
35 ÷ 5 = ?	10 ÷ 5 = ?	40 ÷ 5 = ?	25 ÷ 5 = ?	45 ÷ 5 = ?	0 ÷ 5 = ?
10 ÷ 5 = ?	30 ÷ 5 = ?	5 ÷ 5 = ?	0 ÷ 5 = ?	25 ÷ 5 = ?	15 ÷ 5 = ?
15 ÷ 5 = ?	35 ÷ 5 = ?	20 ÷ 5 = ?	50 ÷ 5 = ?	20 ÷ 5 = ?	0 ÷ 5 = ?

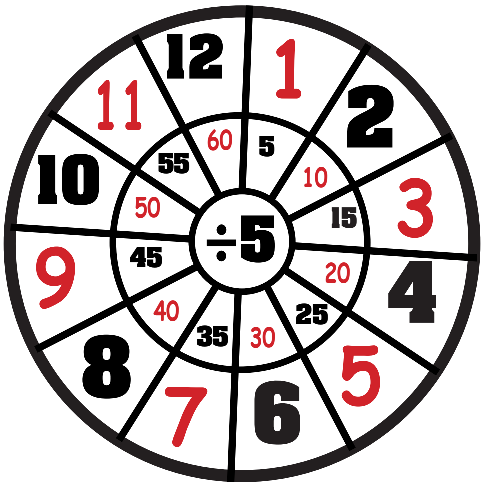
Instructions:

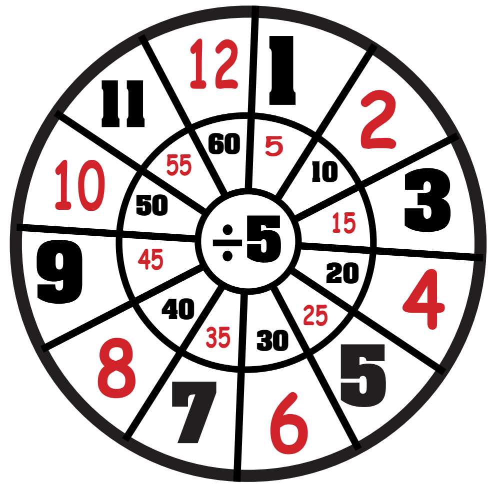
1. Each person pulls a card. Whoever has the largest number starts.
2. Take turns pulling a card and cover the expression that matches that quotient.
3. The first player to get 4 in a row wins!
4. Play again!

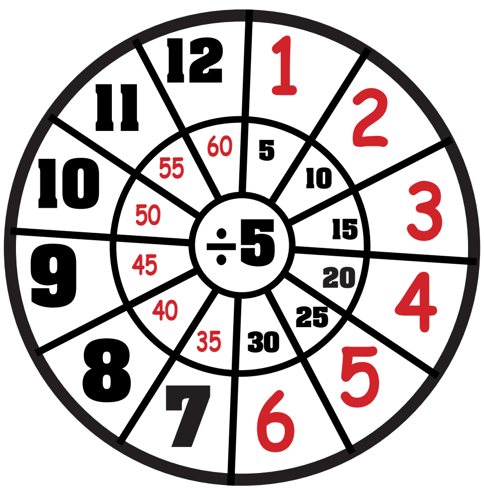
DIVISION WHEELS

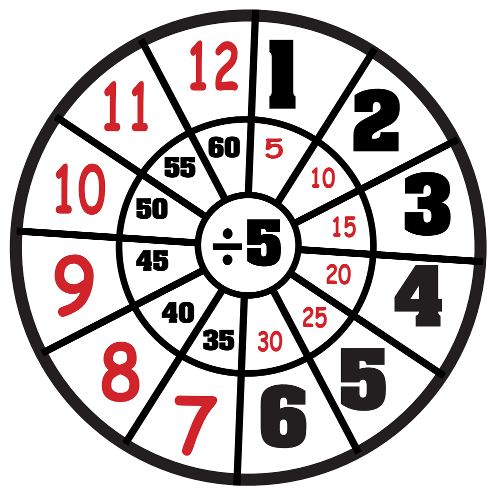


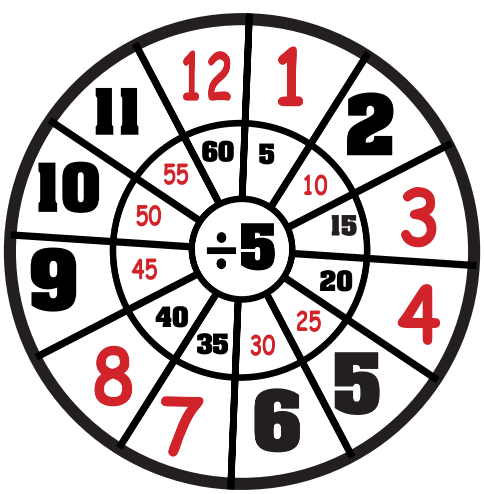
DIVISION WHEELS

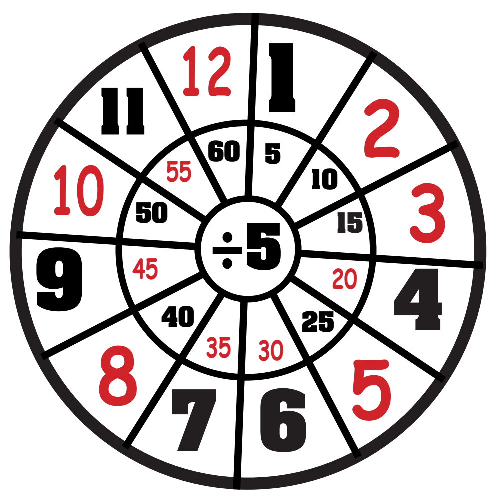








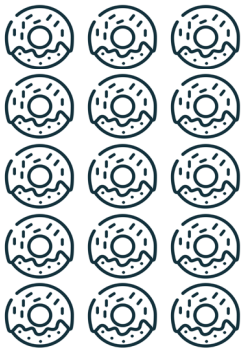




PICTURE FACT FAMILY

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

5 x 2 = 10
2 x 5 = 10
10 ÷ 5 = 2
10 ÷ 2 = 5



5 x 3 = 15
3 x 5 = 15
15 ÷ 5 = 3
15 ÷ 3 = 5

5 x 4 = 20
4 x 5 = 20
20 ÷ 5 = 4
20 ÷ 4 = 5

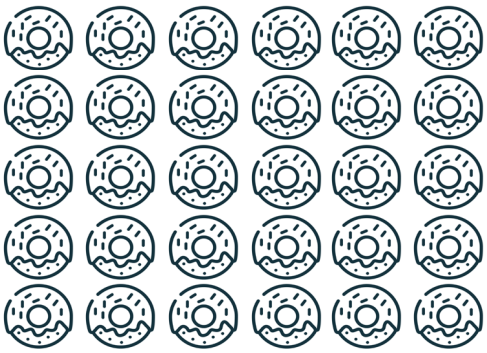
PICTURE FACT FAMILY

5 x 5 = 25

5 x 5 = 25

25 ÷ 5 = 5

25 ÷ 5 = 5



5 x 6 = 30

6 x 5 = 30

30 ÷ 6 = 5

30 ÷ 5 = 6

5 x 7 = 35

7 x 5 = 35

35 ÷ 7 = 5

35 ÷ 5 = 7

5 x 8 = 40

8 x 5 = 40

40 ÷ 8 = 5

40 ÷ 5 = 8

PICTURE FACT FAMILY

$5 \times 9 = 45$

$9 \times 5 = 45$

$45 \div 9 = 5$

$45 \div 5 = 9$

MAKE YOUR OWN

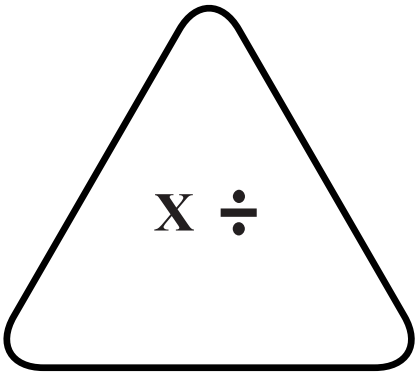
$\_\_ \times \_\_ = \_\_$

$\_\_ \times \_\_ = \_\_$

$\_\_ \div \_\_ = \_\_$

$\_\_ \div \_\_ = \_\_$

TRIANGLE FACT FAMILY

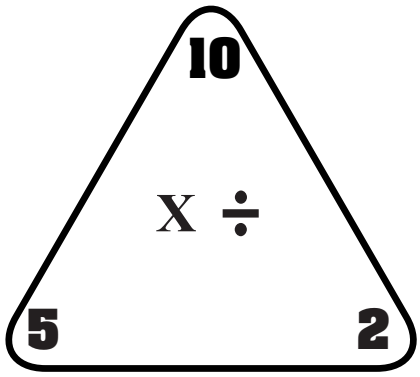


___ x ___ = ___

___ x ___ = ___

___ ÷ ___ = ___

___ ÷ ___ = ___

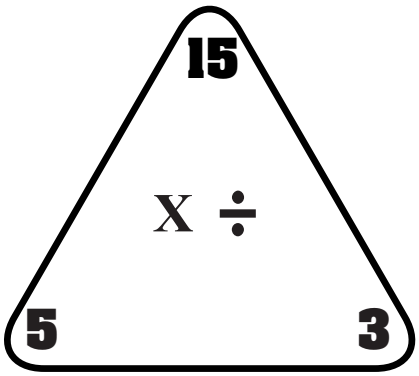


5 x 2 = 10

2 x 5 = 10

10 ÷ 5 = 2

10 ÷ 2 = 5

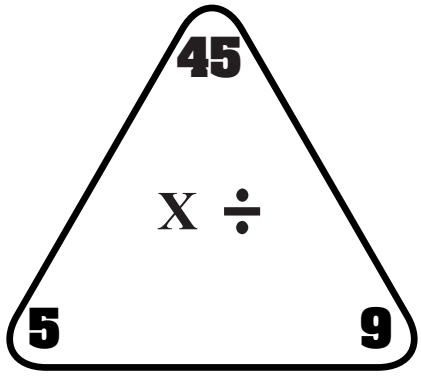


5 x 3 = 15

3 x 5 = 15

15 ÷ 5 = 3

15 ÷ 3 = 5



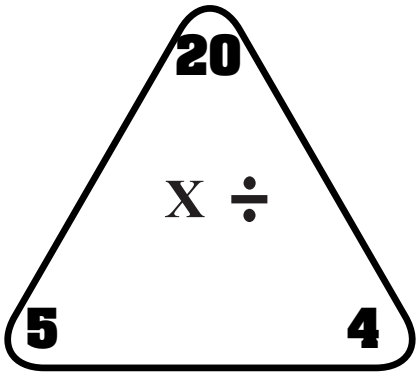
5 x 9 = 45

9 x 5 = 45

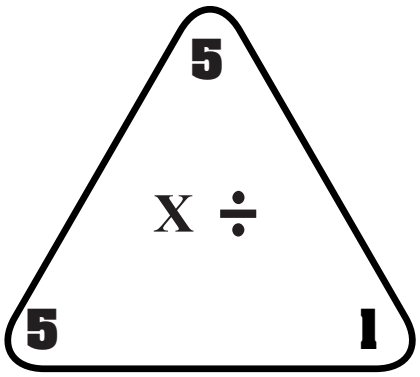
45 ÷ 9 = 5

45 ÷ 5 = 9

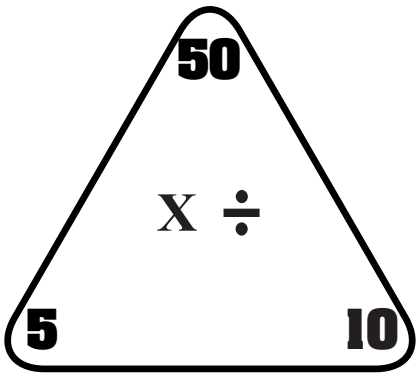
TRIANGLE FACT FAMILY



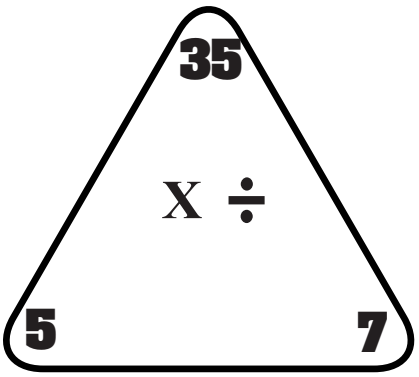
5 x 4 = 20
4 x 5 = 20
20 ÷ 5 = 4
20 ÷ 4 = 5



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

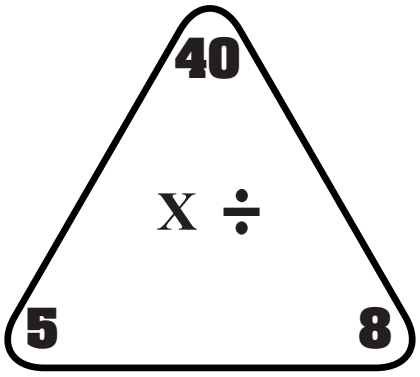


5 x 10 = 50
10 x 5 = 50
50 ÷ 10 = 5
50 ÷ 5 = 10

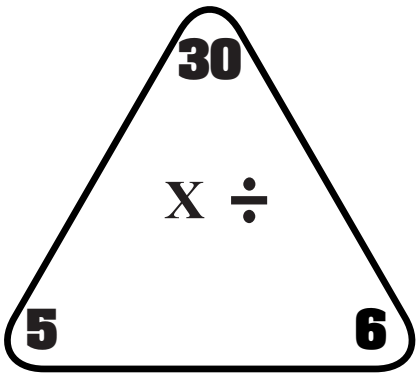


5 x 7 = 35
7 x 5 = 35
35 ÷ 7 = 5
35 ÷ 5 = 7

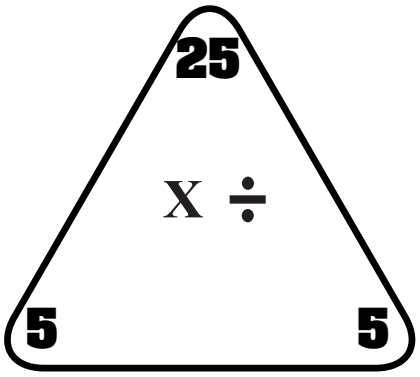
TRIANGLE FACT FAMILY



5 x 8 = 40
8 x 5 = 40
40 ÷ 8 = 5
40 ÷ 5 = 8

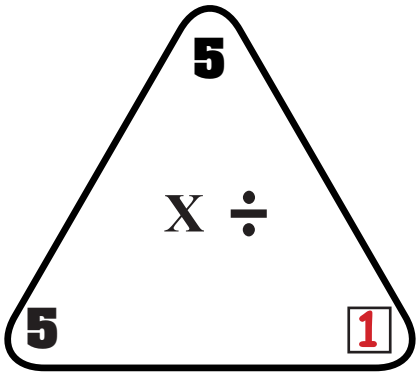


5 x 6 = 30
6 x 5 = 30
30 ÷ 6 = 5
30 ÷ 5 = 6

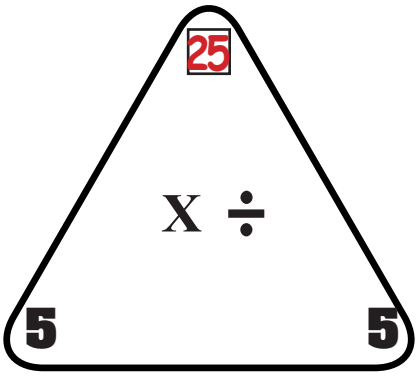


5 x 5 = 25
5 x 5 = 25
25 ÷ 5 = 5
25 ÷ 5 = 5

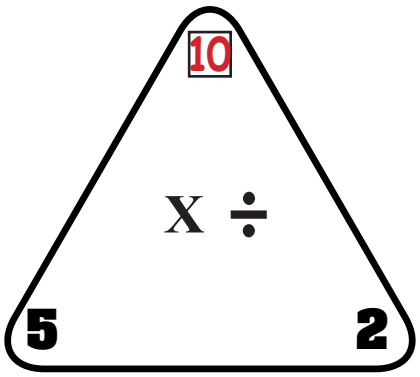
TRIANGLE FACT FAMILY



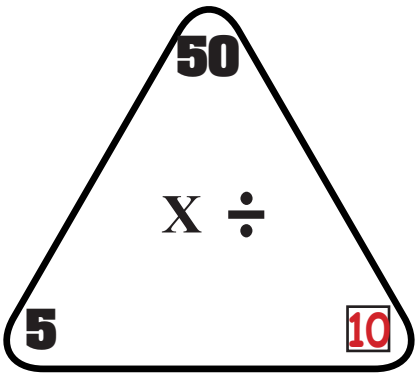
5 x 1 = 5
1 x 5 = 5
5 ÷ 5 = 1
5 ÷ 1 = 5



5 x 5 = 25
5 x 5 = 25
25 ÷ 5 = 5
25 ÷ 5 = 5

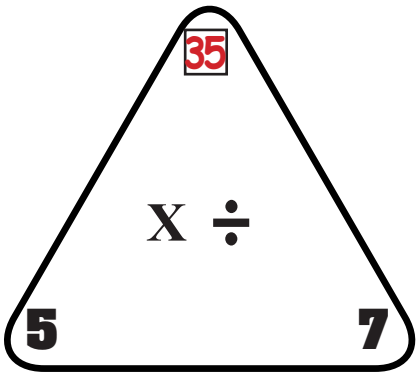


5 x 2 = 10
2 x 5 = 10
10 ÷ 5 = 2
10 ÷ 2 = 5

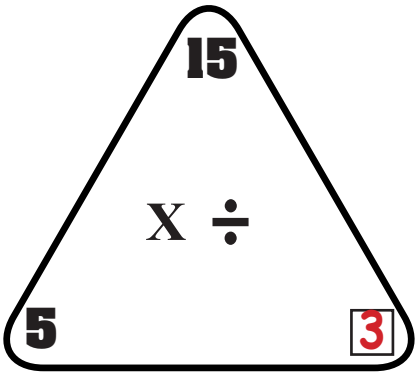


5 x 10 = 50
10 x 5 = 50
50 ÷ 10 = 5
50 ÷ 5 = 10

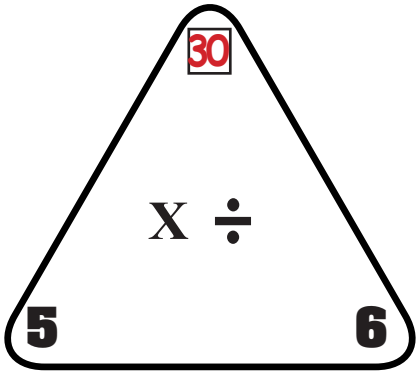
TRIANGLE FACT FAMILY



5 x 7 = 35
7 x 5 = 35
35 ÷ 7 = 5
35 ÷ 5 = 7



5 x 3 = 15
3 x 5 = 15
15 ÷ 5 = 3
15 ÷ 3 = 5



5 x 6 = 30
6 x 5 = 30
30 ÷ 6 = 5
30 ÷ 5 = 6

WORD PROBLEM

MODEL YOUR THINKING AND SOLVE THE PROBLEM.

THE BAKERY HAD 20 DONUTS IN 5 ROWS. THEY HAD THE SAME AMOUNT IN EACH ROW. HOW MANY WERE IN EACH ROW?

20 ÷ 5 = 4

THE BAKERY HAD 25 DONUTS. THEY PUT 5 IN A ROW. HOW MANY ROWS DID THEY MAKE?

25 ÷ 5 = 5

THE BAKERY MADE 50 MUFFINS. THEY PACKED 5 IN A BOX. HOW MANY BOXES DID THEY USE?

50 ÷ 5 = 10

THE BAKERY MADE 15 HAND PIES. THEY USED 5 BOXES. THEY PUT THE SAME AMOUNT OF PIES IN EACH BOX. HOW MANY HAND PIES DID THEY PUT IN EACH BOX?

15 ÷ 5 = 3

QUIZ

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

I CAN SKIP COUNT TO DIVIDE BY 5'S!	I CAN USE EQUAL GROUPS TO DIVIDE BY 5'S!

I CAN USE ARRAYS TO MODEL DIVIDING BY 5'S!	I CAN MODEL DIVIDING BY 5'S ON THE NUMBER LINE!

I CAN USE REPEATED SUBTRACTION TO DIVIDE BY 5'S.	MY STRATEGY FOR THINKING ABOUT DIVIDING BY 5'S IS....

GREAT MATH WORK!

CERTIFICATE

_____

HAS SUCCESSFULLY PRACTICED DIVIDING BY 5'S!

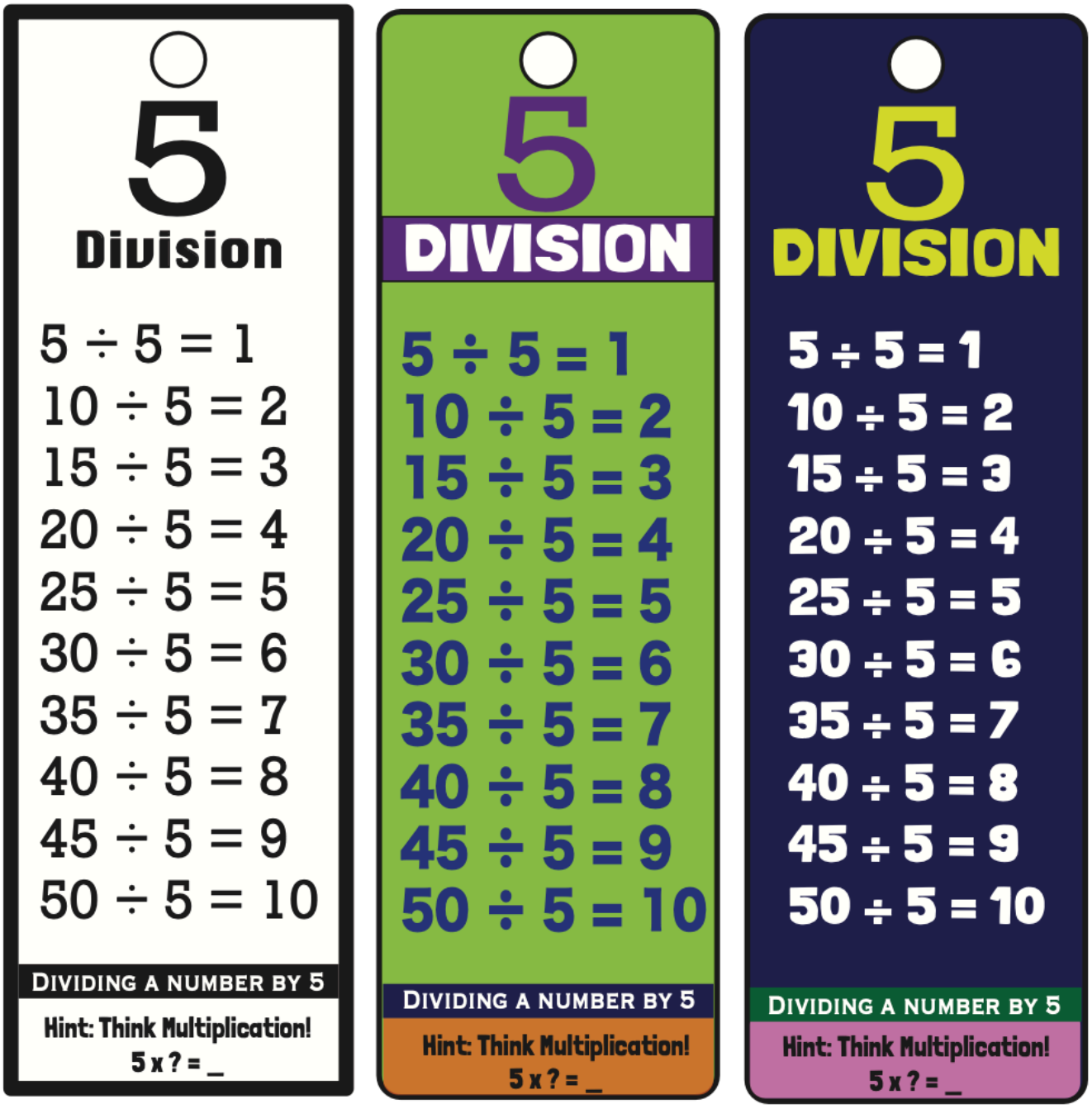
GREAT JOB!

TEACHER: _____ **DATE:** _____

Looking at the 5's

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

Bookmarks


5
Division
5 ÷ 5 = 1
10 ÷ 5 = 2
15 ÷ 5 = 3
20 ÷ 5 = 4
25 ÷ 5 = 5
30 ÷ 5 = 6
35 ÷ 5 = 7
40 ÷ 5 = 8
45 ÷ 5 = 9
50 ÷ 5 = 10
DIVIDING A NUMBER BY 5
Hint: Think Multiplication!
5 x ? = _
5
DIVISION
5 ÷ 5 = 1
10 ÷ 5 = 2
15 ÷ 5 = 3
20 ÷ 5 = 4
25 ÷ 5 = 5
30 ÷ 5 = 6
35 ÷ 5 = 7
40 ÷ 5 = 8
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50 ÷ 5 = 10
DIVIDING A NUMBER BY 5
Hint: Think Multiplication!
5 x ? = _
5
DIVISION
5 ÷ 5 = 1
10 ÷ 5 = 2
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20 ÷ 5 = 4
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45 ÷ 5 = 9
50 ÷ 5 = 10
DIVIDING A NUMBER BY 5
Hint: Think Multiplication!
5 x ? = _