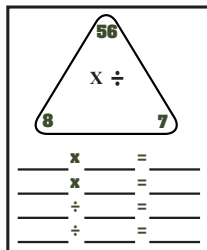
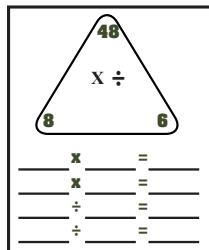
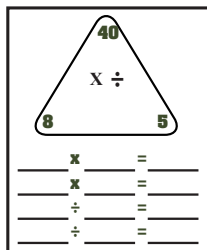
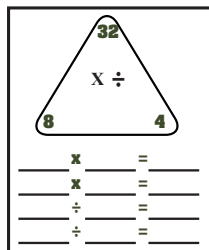


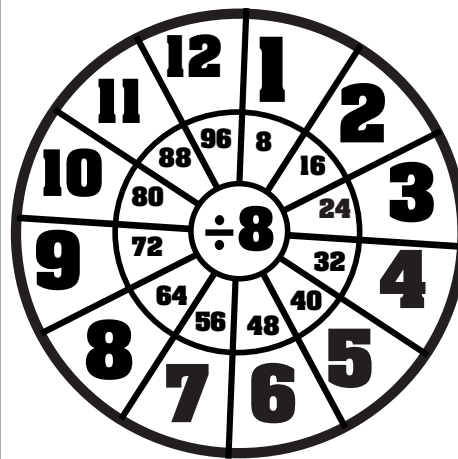
# DIVIDING by 8

## WORK BOOKLET ANSWER KEY

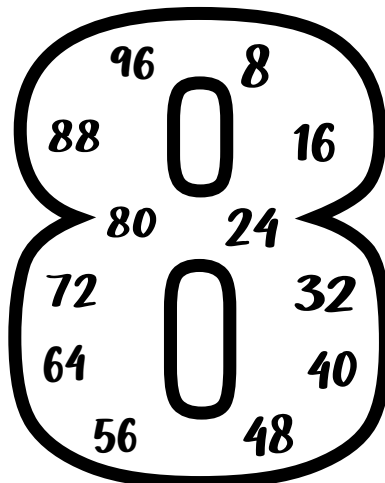
### TRIANGLE FACT FAMILY



### DIVISION WHEELS

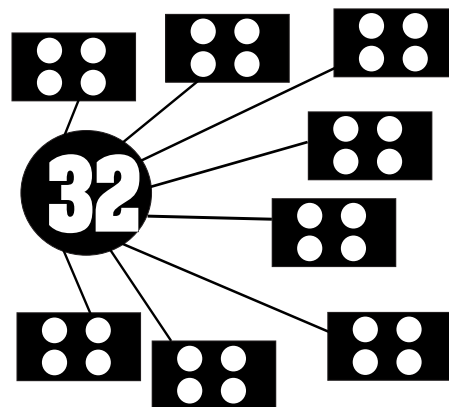


### MULTIPLES OF 8



### Division Strategies:

#### PARTITION

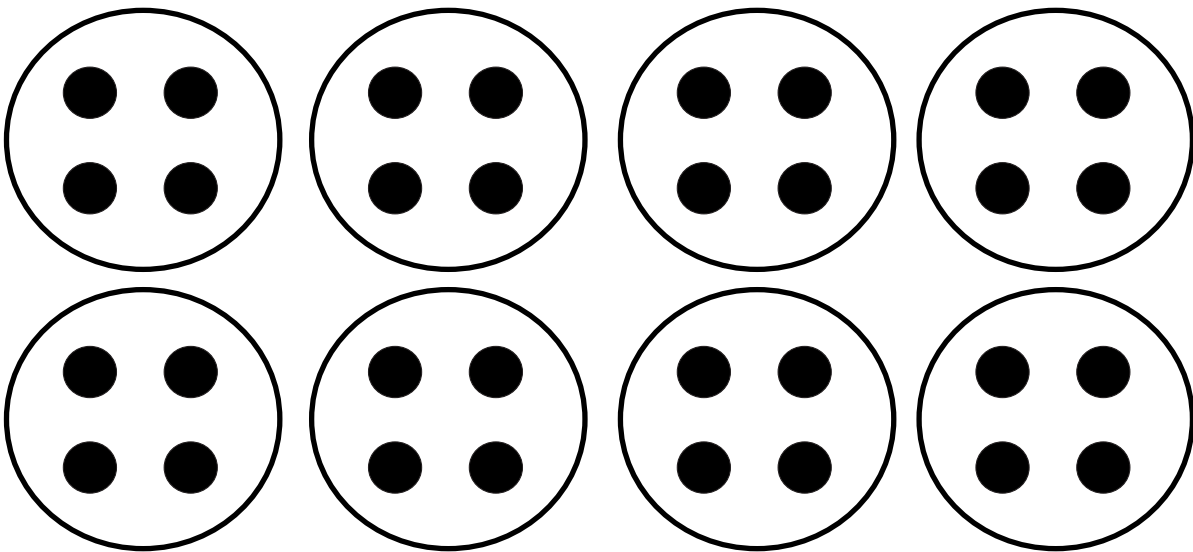


$$32 \div 8 = 4$$

# STRATEGY POSTER

**When dividing by 8,  
think multiplication!  $8 \times ? = 32$**

$$32 \div 8 = 4$$



**Hint: Think multiplication!  $8 \times ? = 32$**

# DIVISION

$$56 \div 8 = 7$$



DIVIDEND

DIVISOR

QUOTIENT

# MULTIPLES OF EIGHT

8



16



24



32



40



48



56



64



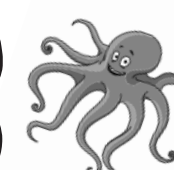
72



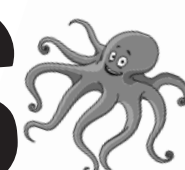
80



88



96



# MULTIPLES OF EIGHT

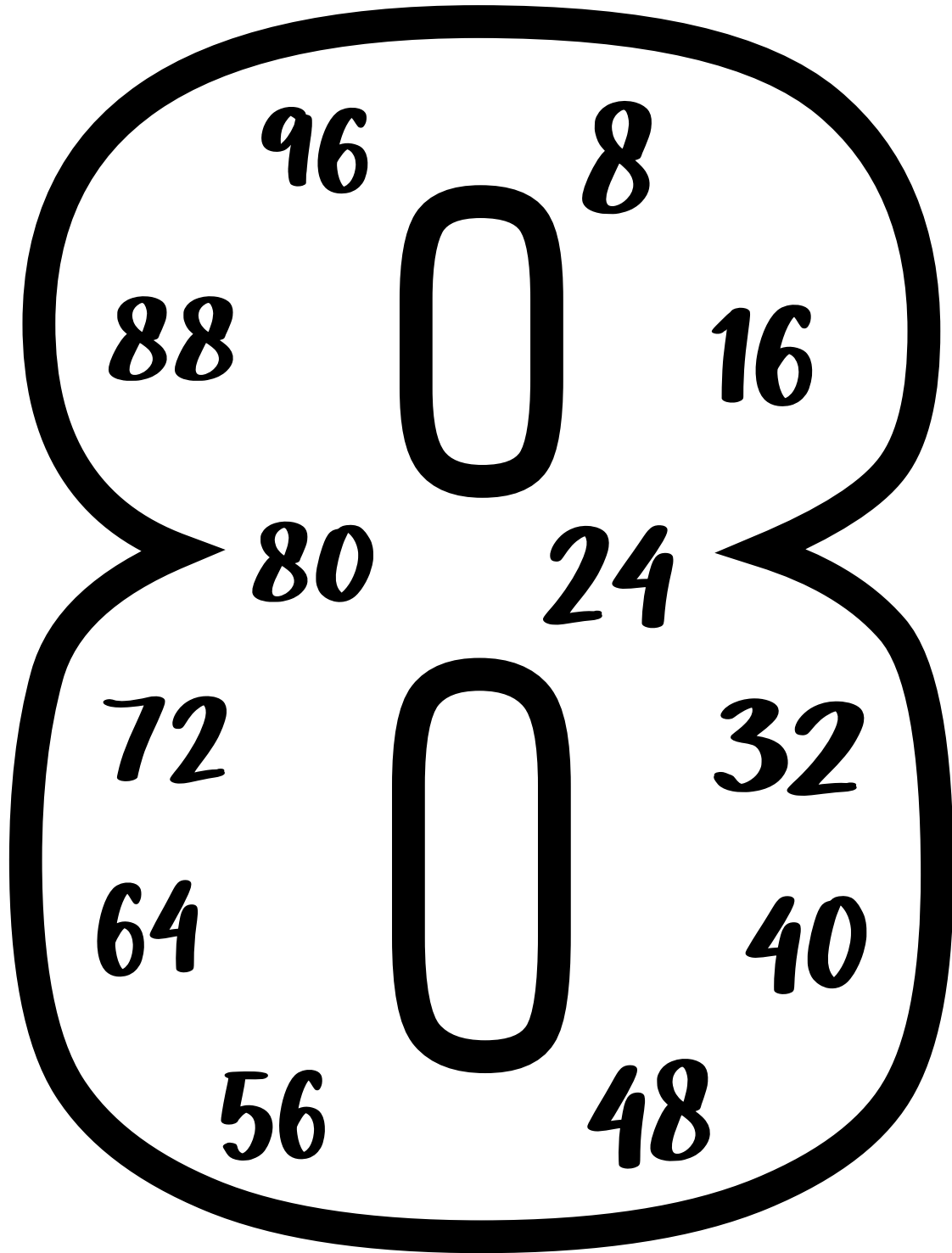
8     16     24    

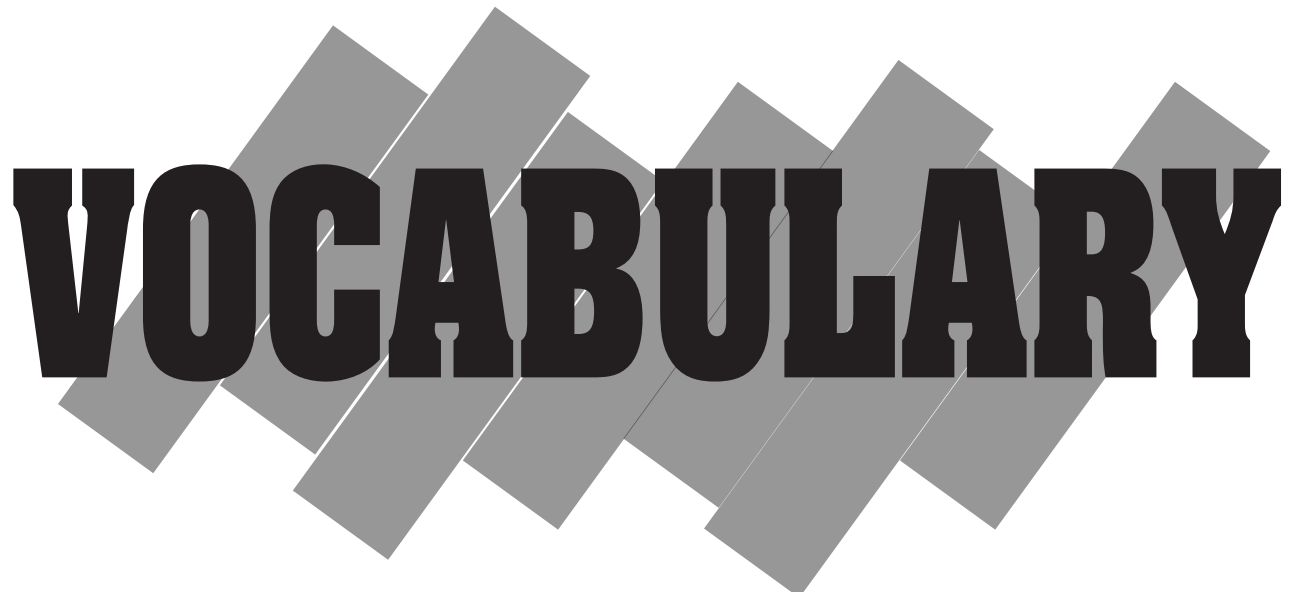
32     40     48    

56     64     72    

80     88     96    

# MULTIPLES OF 8

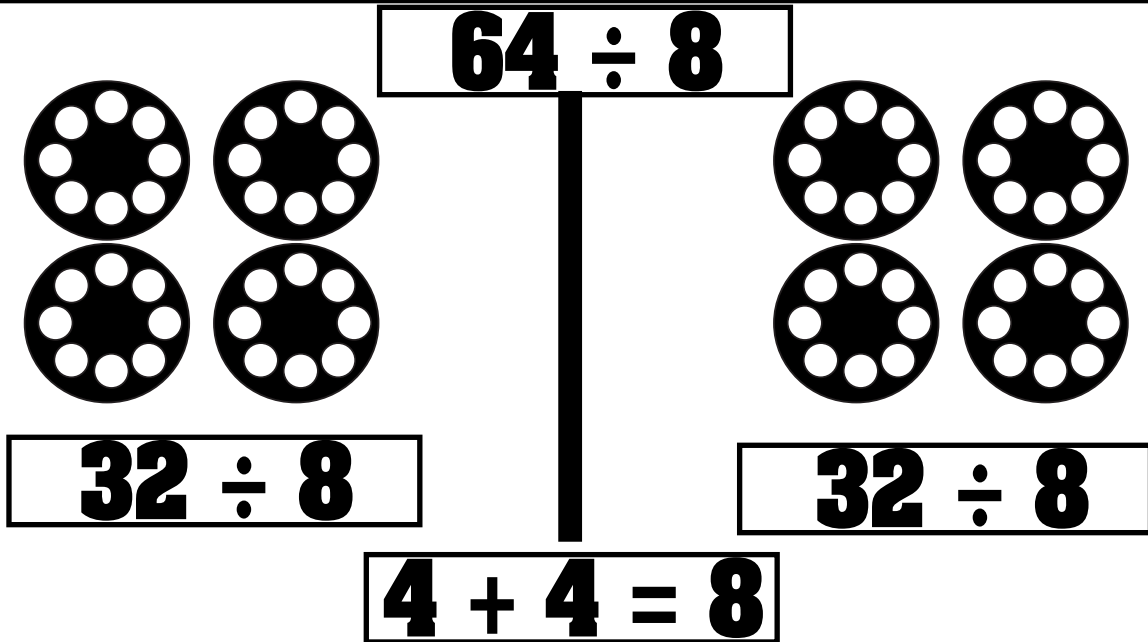




# VOCABULARY

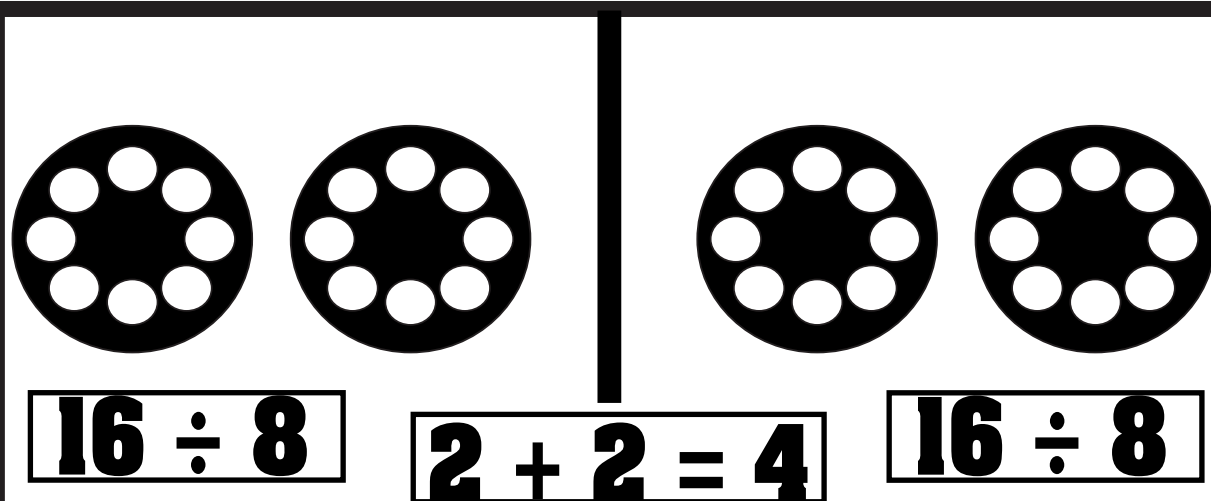
# DISTRIBUTIVE PROPERTY

$$64 \div 8 = (32 \div 8) + (32 \div 8) = 4 + 4 = 8$$



## MODEL THE FACT

$$32 \div 8 = (16 \div 8) + (16 \div 8)$$



# IDENTITY PROPERTY

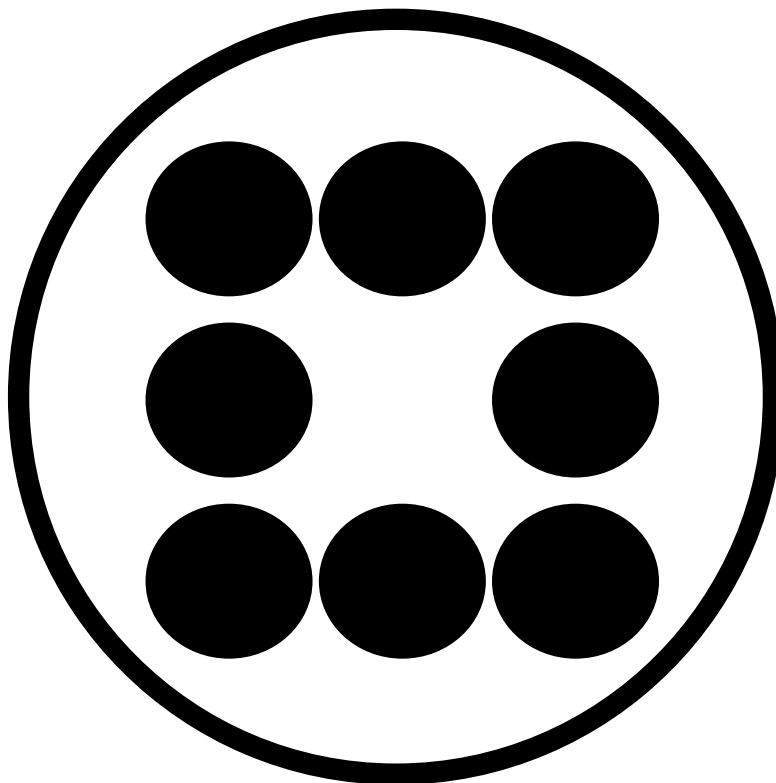
## DIVIDING A NUMBER BY 1

$$8 \div 1 = 8$$

$$10 \div 1$$

$$5 \div 1$$

$$7 \div 1$$



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

# ZERO PROPERTY

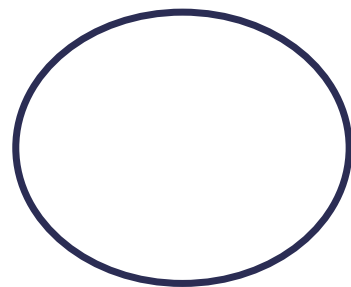
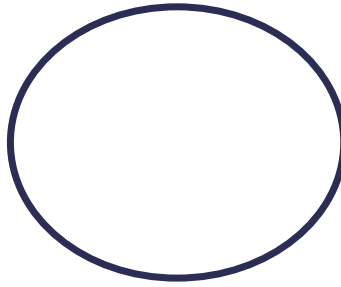
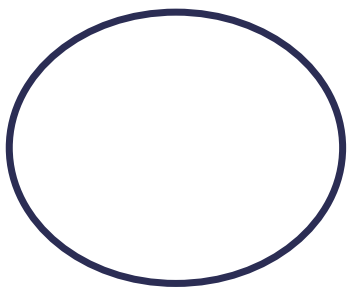
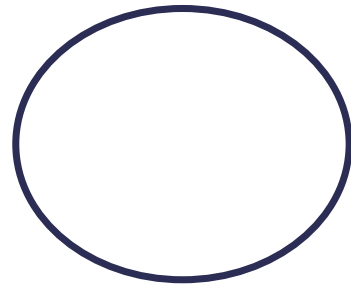
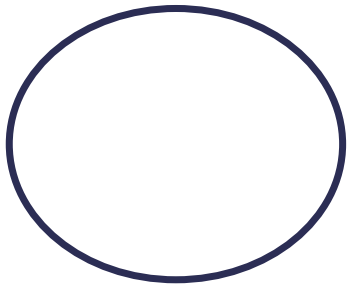
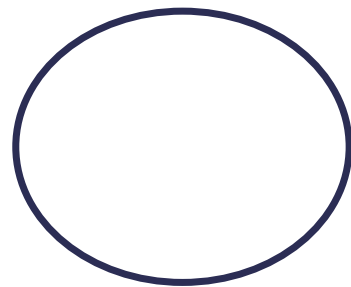
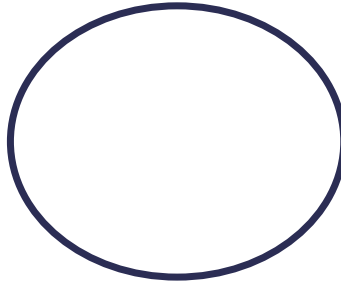
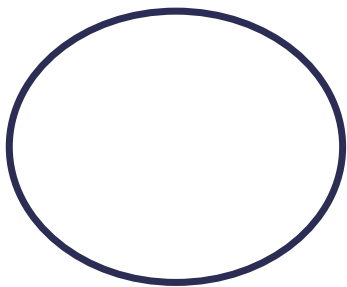
## DIVIDING 0 BY A NUMBER

$$0 \div 8 = 0$$

$$0 \div 7$$

$$0 \div 1$$

$$0 \div 2$$



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

# ONE PROPERTY

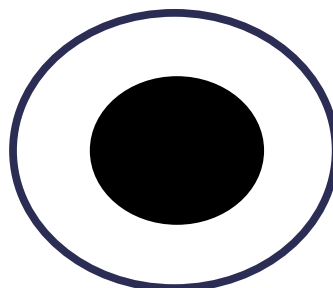
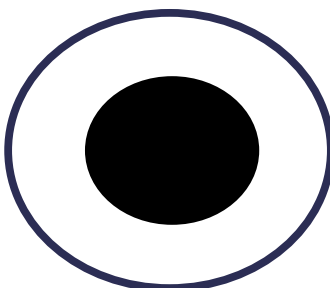
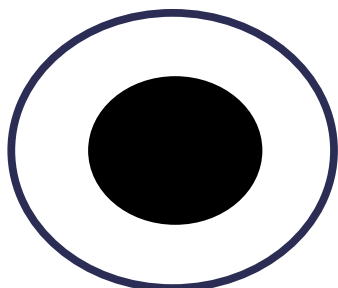
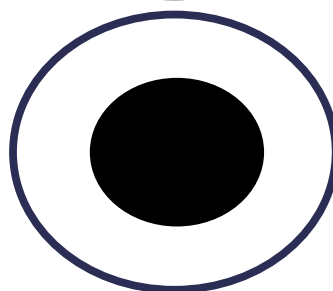
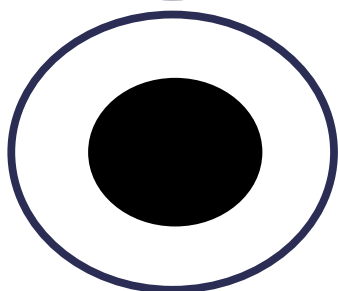
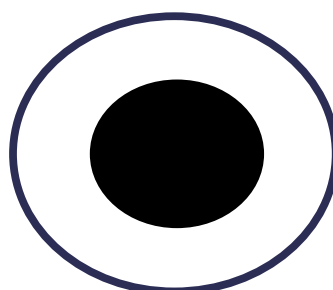
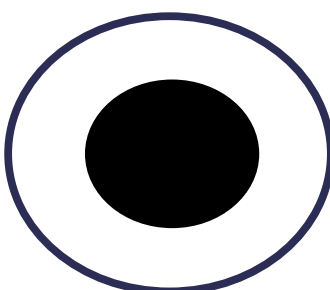
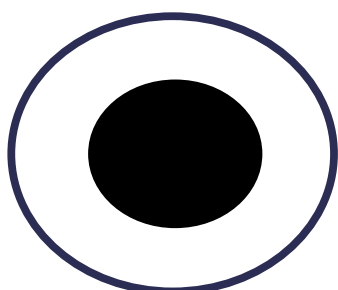
## DIVIDING A NUMBER BY ITSELF

$$8 \div 8 = 1$$

$$10 \div 10$$

$$5 \div 5$$

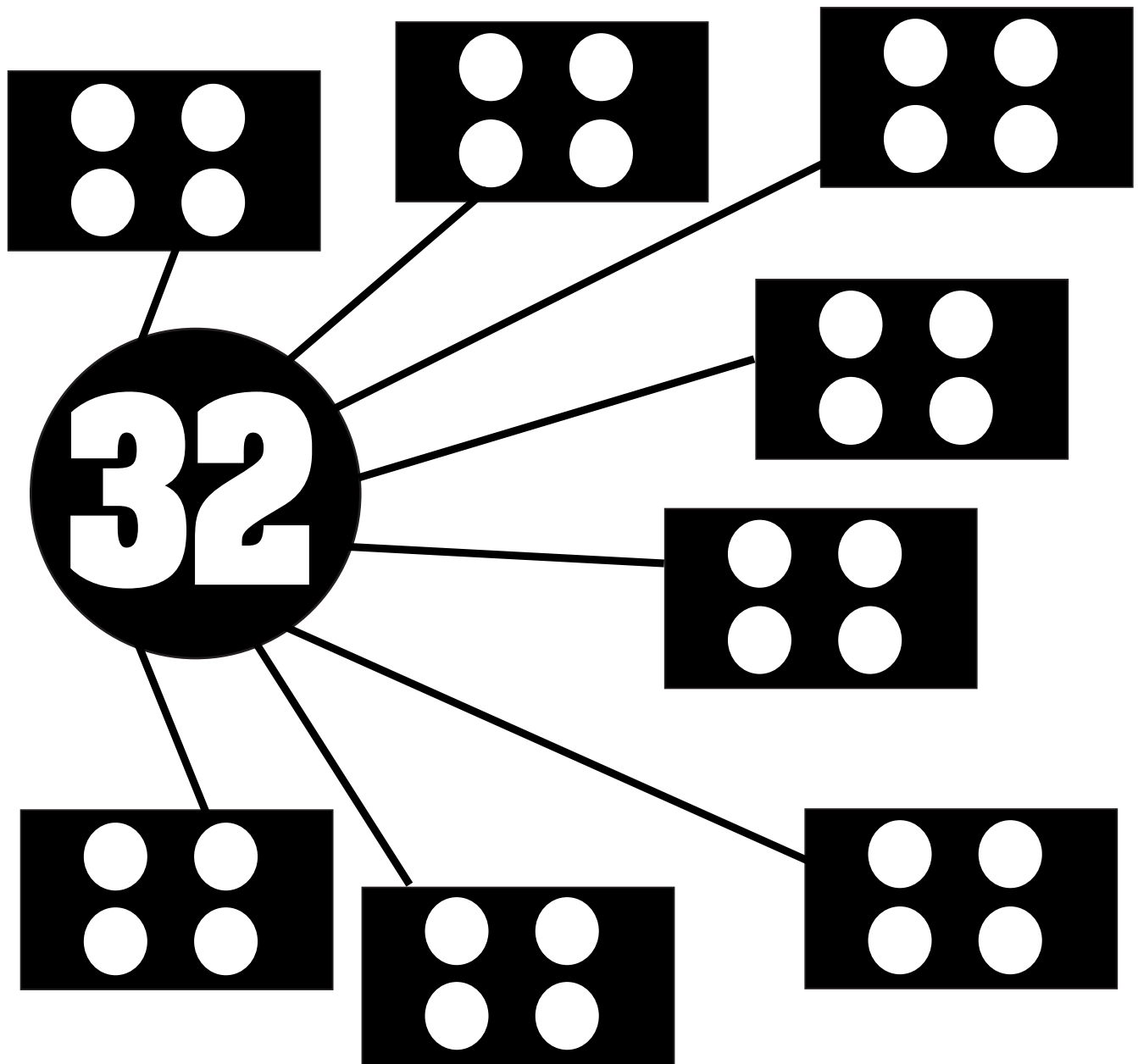
$$2 \div 2$$



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

# Division Strategies:

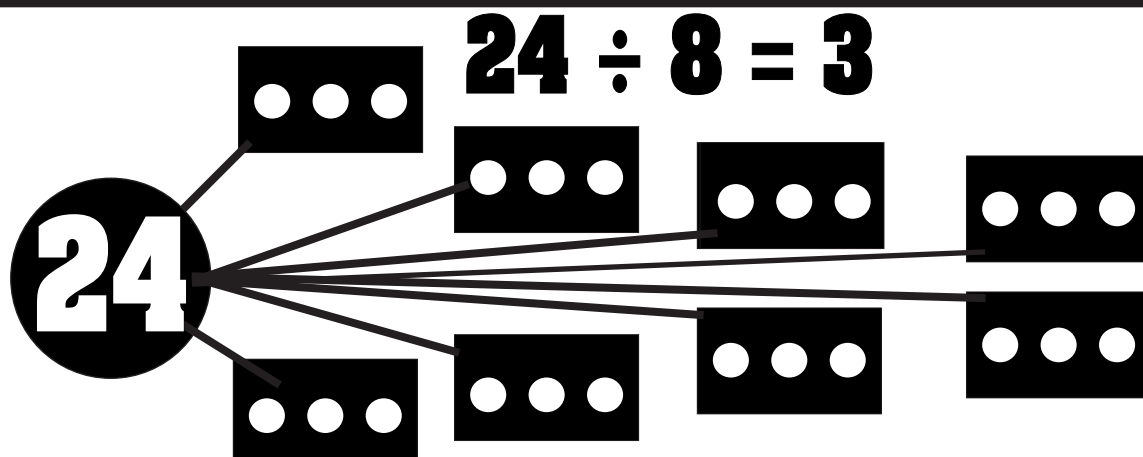
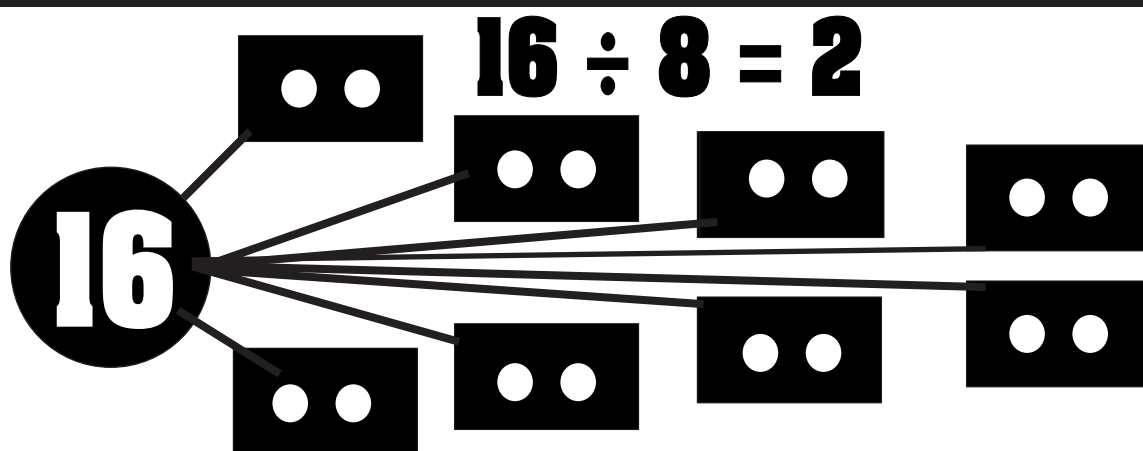
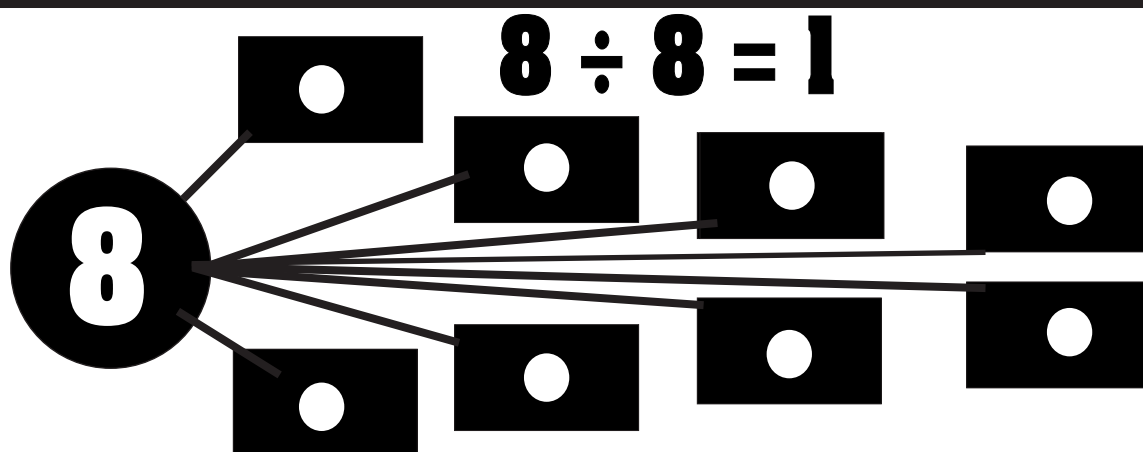
## PARTITION



$$32 \div 8 = 4$$

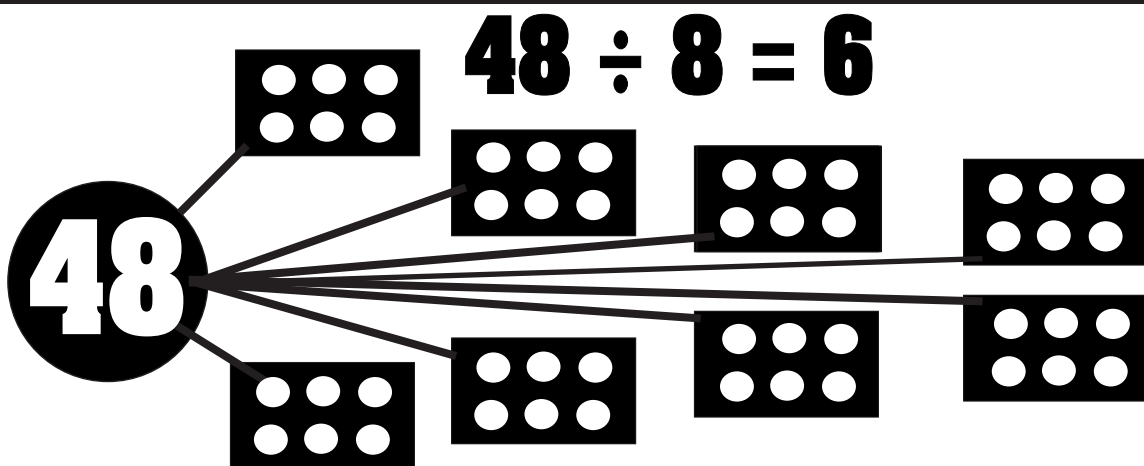
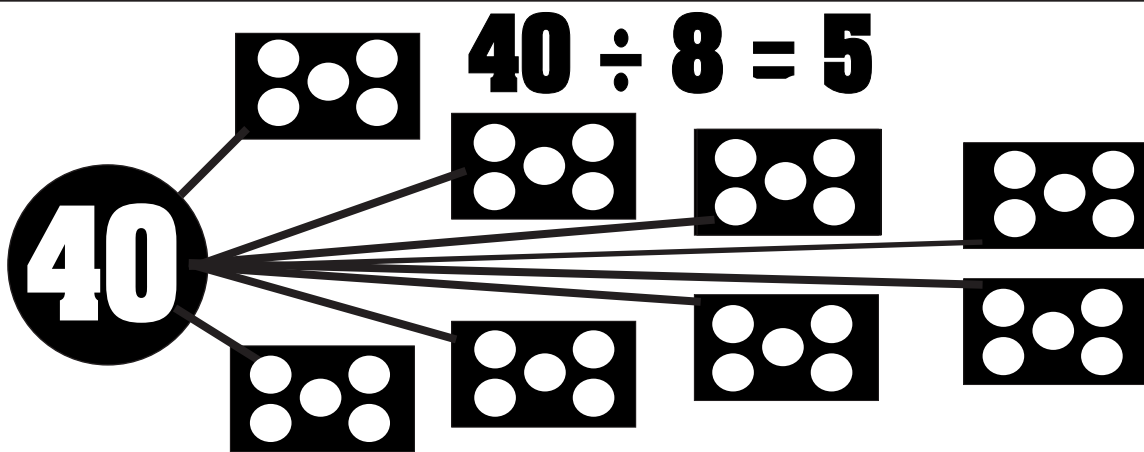
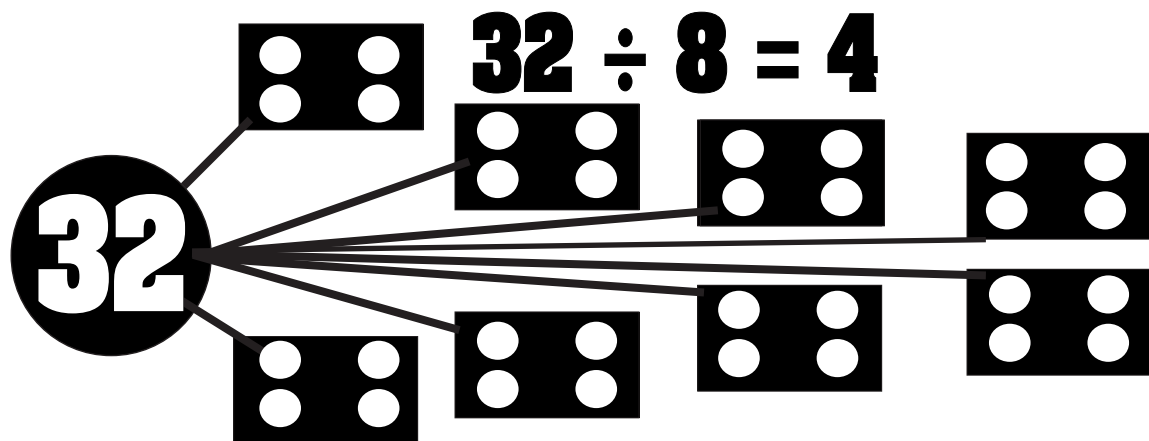
# Division Strategies:

## PARTITION



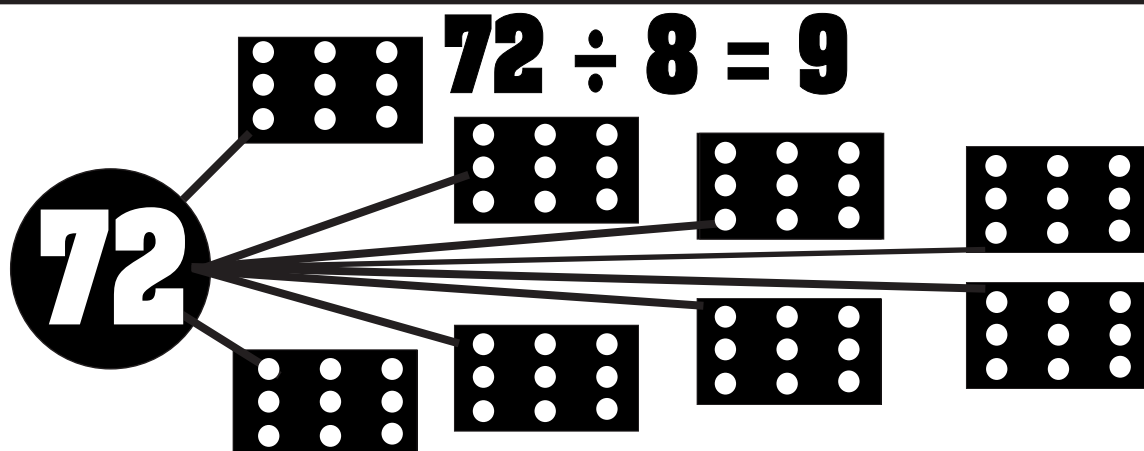
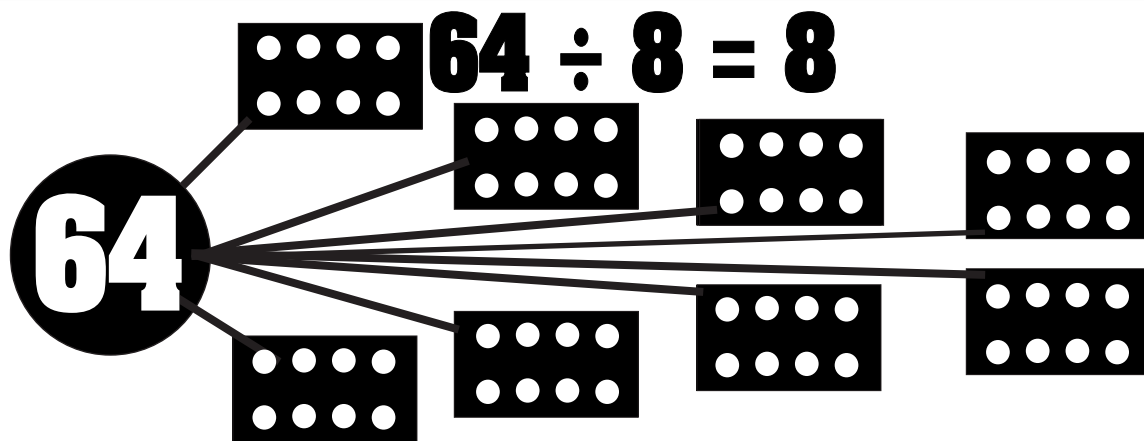
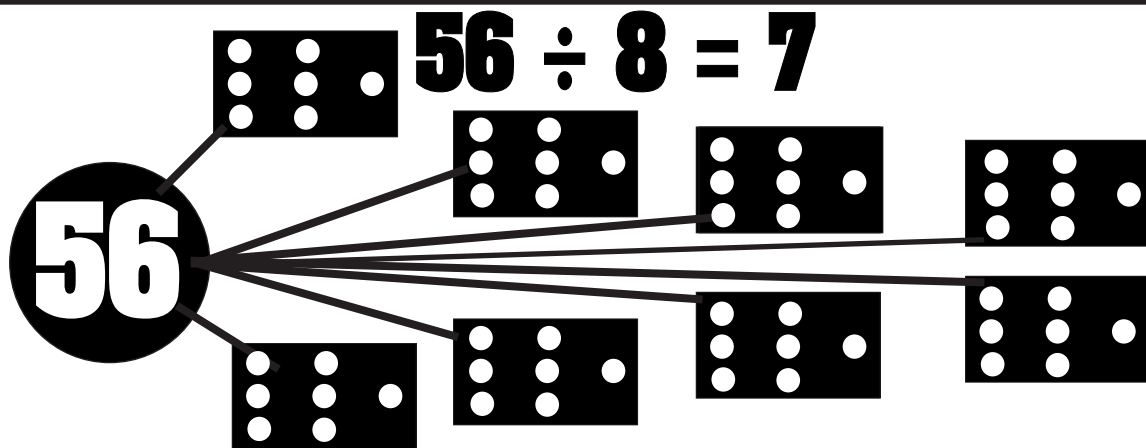
# Division Strategies:

## PARTITION



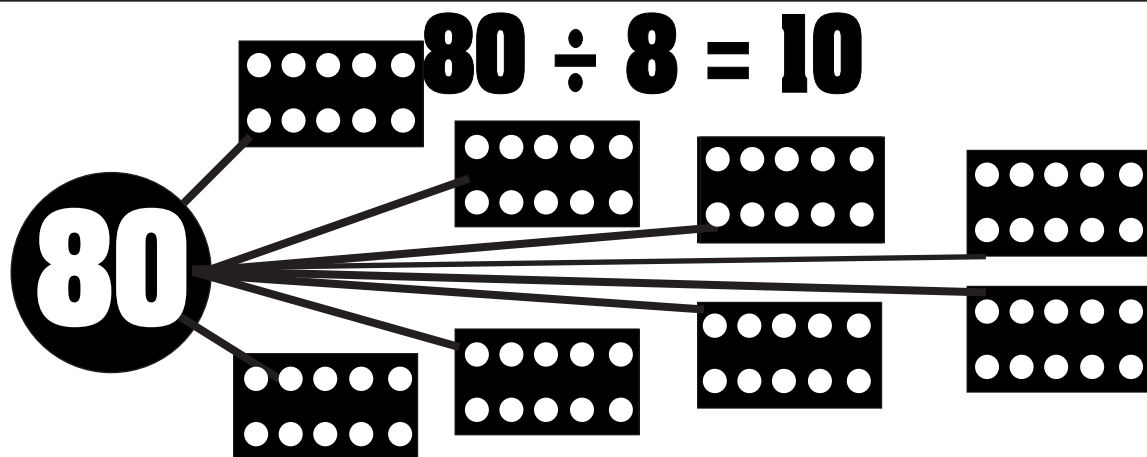
# Division Strategies:

## PARTITION



# Division Strategies:

## PARTITION



**FREE CHOICE**

**FREE CHOICE**

# Division Strategies:

## RELATED FACT

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

think

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

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

think

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

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

think

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

$$72 \div 8 = \underline{9}$$

think

$$8 \times \underline{9} = 72$$

# Division Strategies:

## RELATED FACT

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

think

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

$$32 \div 8 = \underline{4}$$

think

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

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

think

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

$$40 \div 8 = \underline{5}$$

think

$$8 \times \underline{5} = 40$$

# Division Strategies:

## RELATED FACT

$$80 \div 8 = \underline{10}$$

think

$$8 \times \underline{10} = 80$$

$$56 \div 8 = \underline{7}$$

think

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

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

think

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

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

think

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

# Division Strategies:

## REPEATED SUBTRACTION

$$48 \div 8 = ?$$

$$48 - 8 = 40$$

$$40 - 8 = 32$$

$$32 - 8 = 24$$

$$24 - 8 = 16$$

$$16 - 8 = 8$$

$$8 - 8 = 0$$

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

# Division Strategies:

## REPEATED SUBTRACTION

$$48 \div 8 = ?$$

$$48 - \underline{8} = 40$$

$$\underline{40} - 8 = 32$$

$$\underline{32} - 8 = 24$$

$$24 - \underline{8} = 16$$

$$16 - \underline{8} = 8$$

$$\underline{8} - 8 = 0$$

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

# Division Strategies:

## REPEATED SUBTRACTION

$$56 \div 8 = ?$$

$$56 - \underline{8} = 48$$

$$48 - \underline{8} = 40$$

$$\underline{40} - 8 = 32$$

$$\underline{32} - 8 = 24$$

$$24 - \underline{8} = 16$$

$$16 - \underline{8} = 8$$

$$\underline{8} - 8 = 0$$

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

# Division Strategies:

## REPEATED SUBTRACTION

$$40 \div 8 = ?$$

$$\underline{40} - 8 = 32$$

$$\underline{32} - 8 = 24$$

$$24 - \underline{8} = 16$$

$$16 - \underline{8} = 8$$

$$\underline{8} - 8 = 0$$

$$40 \div 8 = \boxed{5}$$

# Division Strategies:

## REPEATED SUBTRACTION

$$64 \div 8 = ?$$

$$64 - \underline{8} = 56$$

$$56 - \underline{8} = 48$$

$$48 - \underline{8} = 40$$

$$\underline{40} - 8 = 32$$

$$\underline{32} - 8 = 24$$

$$24 - \underline{8} = 16$$

$$16 - \underline{8} = 8$$

$$\underline{8} - 8 = 0$$

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

# Division Strategies:

## REPEATED SUBTRACTION

$$80 \div 8 = ?$$

$$80 - \underline{8} = 72$$

$$72 - \underline{8} = 64$$

$$64 - \underline{8} = 56$$

$$56 - \underline{8} = 48$$

$$48 - \underline{8} = 40$$

$$\underline{40} - 8 = 32$$

$$\underline{32} - 8 = 24$$

$$24 - \underline{8} = 16$$

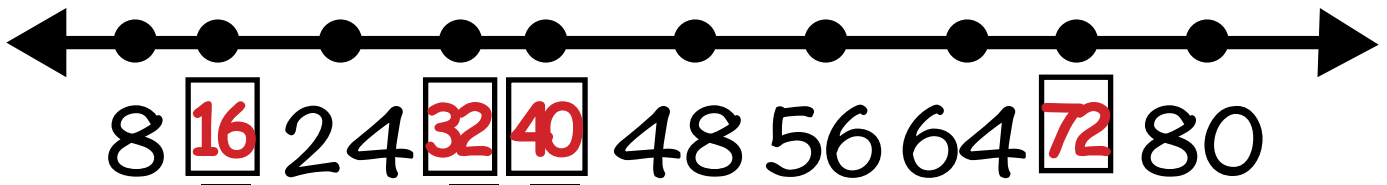
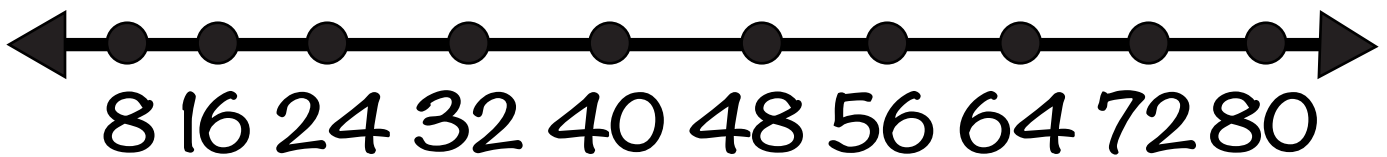
$$16 - \underline{8} = 8$$

$$\underline{8} - \underline{8} = 0$$

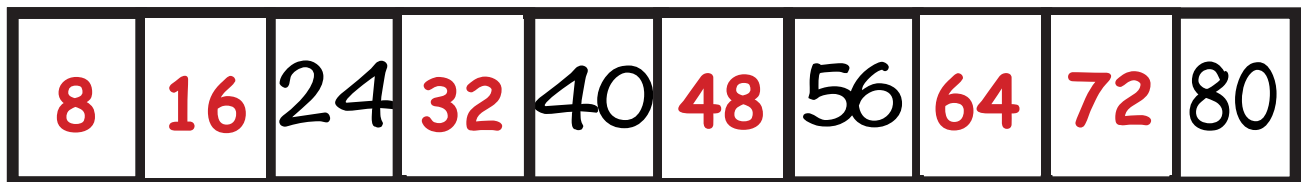
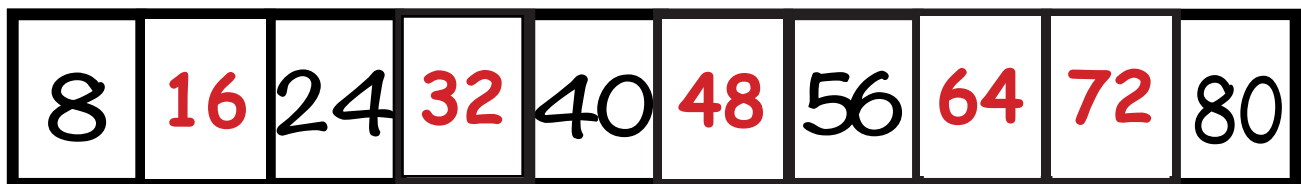
$$80 \div 8 = \boxed{10}$$

# Modeling Division: **SKIP COUNTING**

DRAW ON A NUMBER LINE



FILL IN THE MISSING NUMBERS



# Modeling Division:

## **SKIP COUNTING**

FILL IN THE MISSING NUMBERS

|   |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|
| 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
|---|----|----|----|----|----|----|----|----|----|

FILL IN THE MISSING NUMBERS

|   |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|
| 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
|---|----|----|----|----|----|----|----|----|----|

FILL IN THE MISSING NUMBERS

|   |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|
| 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
|---|----|----|----|----|----|----|----|----|----|

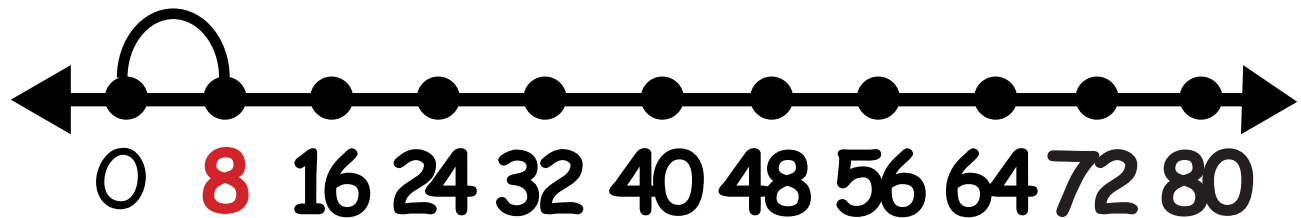
FILL IN THE MISSING NUMBERS

|   |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|
| 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
|---|----|----|----|----|----|----|----|----|----|

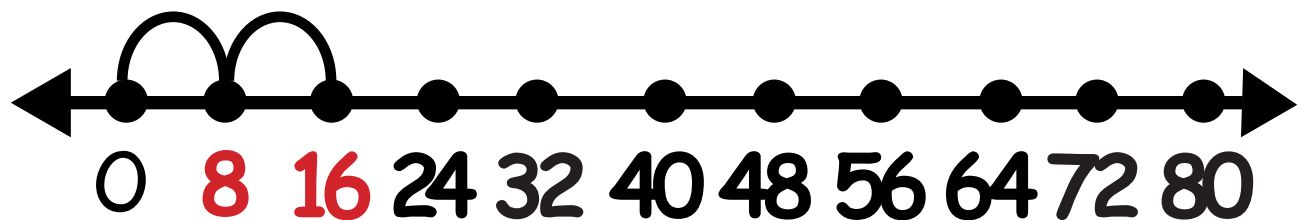
# Division Strategies:

## **SKIP COUNTING**

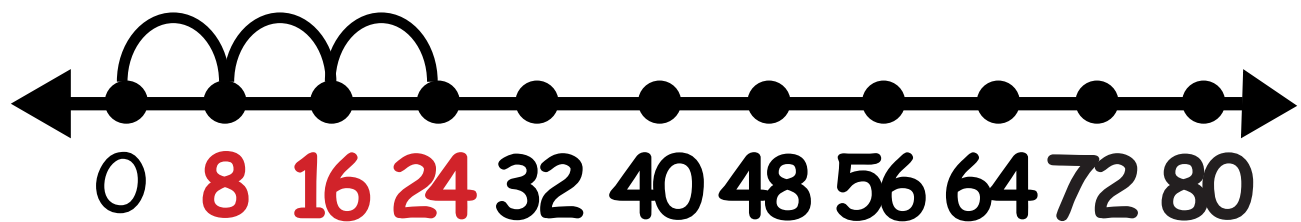
MODEL  $8 \div 8$  ON THE NUMBER LINE



MODEL  $16 \div 8$  ON THE NUMBER LINE



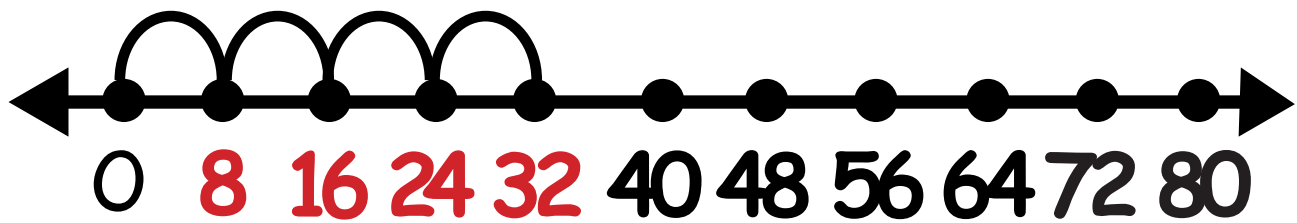
MODEL  $24 \div 8$  ON THE NUMBER LINE



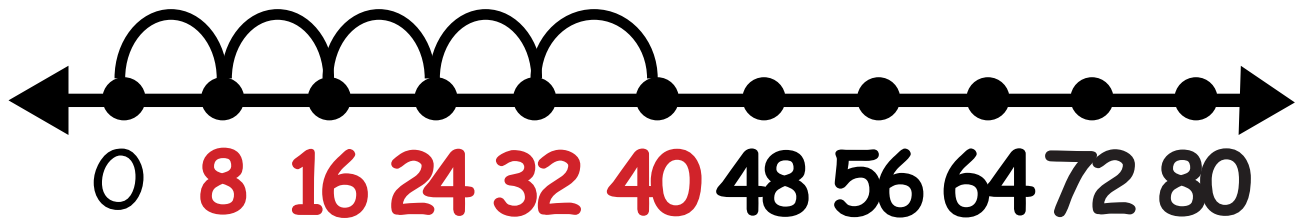
# Division Strategies:

## **SKIP COUNTING**

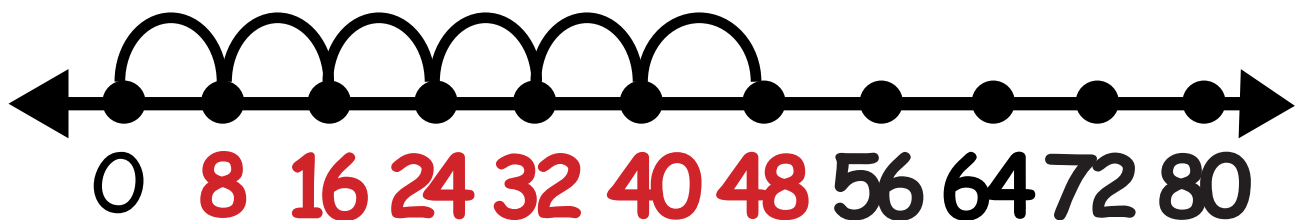
MODEL  $32 \div 8$  ON THE NUMBER LINE



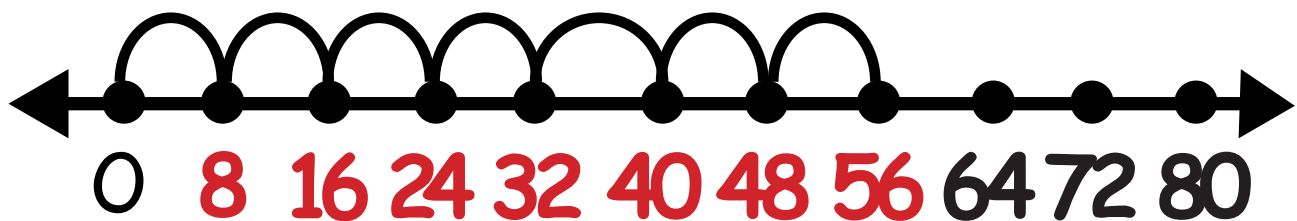
MODEL  $40 \div 8$  ON THE NUMBER LINE



MODEL  $48 \div 8$  ON THE NUMBER LINE



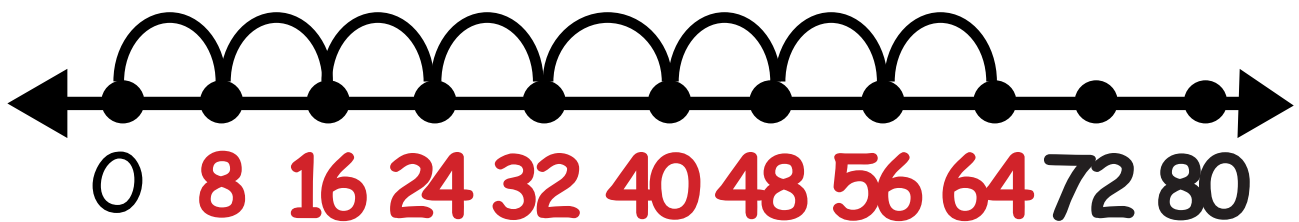
MODEL  $56 \div 8$  ON THE NUMBER LINE



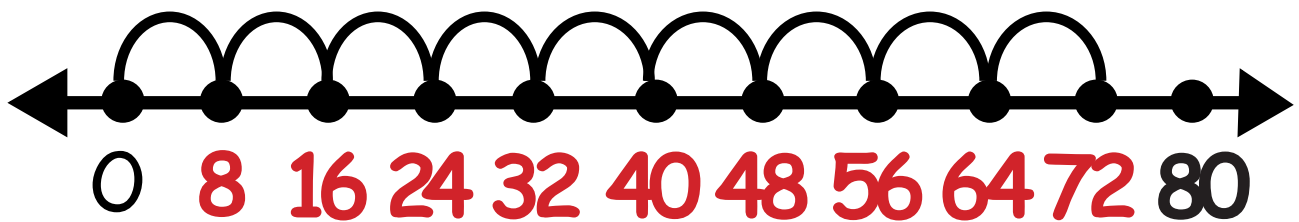
# Division Strategies:

## **SKIP COUNTING**

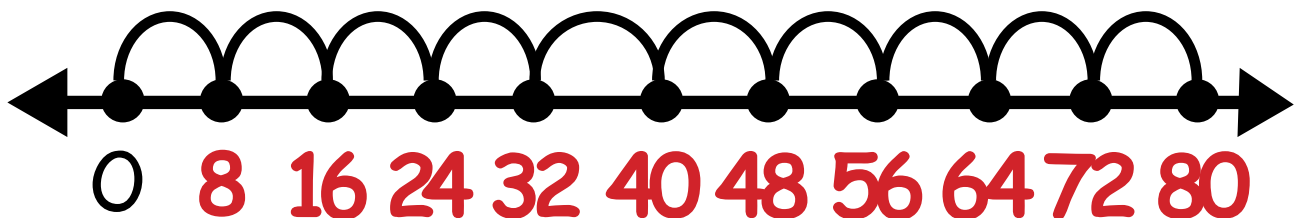
MODEL  $64 \div 8$  ON THE NUMBER LINE



MODEL  $72 \div 8$  ON THE NUMBER LINE



MODEL  $80 \div 8$  ON THE NUMBER LINE

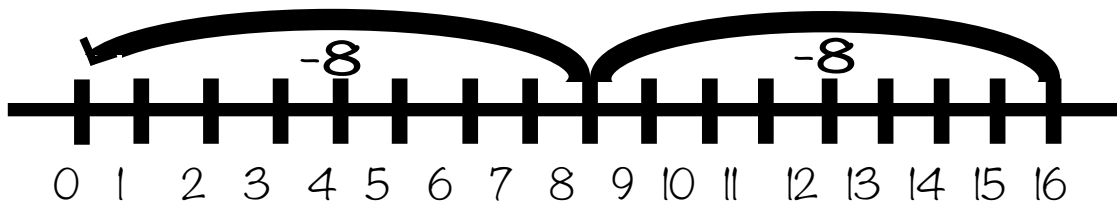


# Division Strategies:

## NUMBER LINES

THERE ARE 16 COOKIES AND YOU PUT 8 IN A BAG. HOW MANY BAGS DO YOU HAVE?

$$16 \div 8 = 2$$



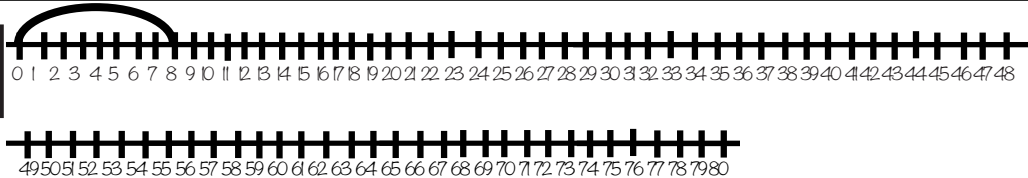
HOW MANY JUMPS UNTIL YOU GET TO ZERO?

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)?

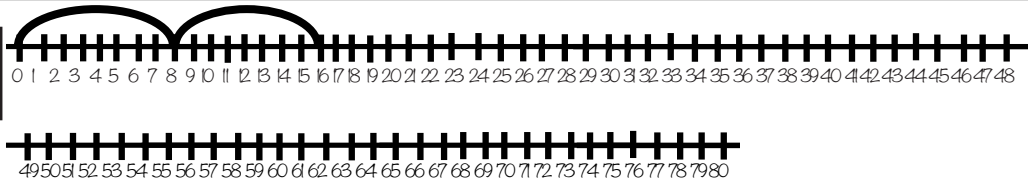
**SOLVE THE PROBLEM ON THE NUMBER LINE.**

HOW MANY JUMPS UNTIL YOU GET TO ZERO?

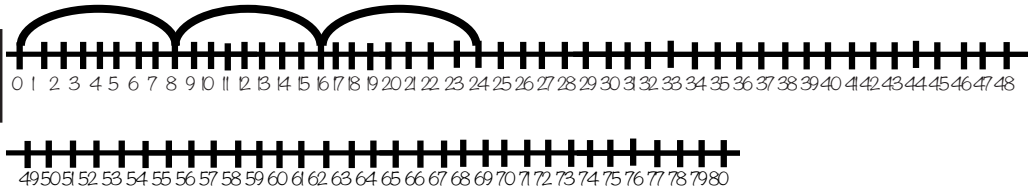
$$8 \div 8$$



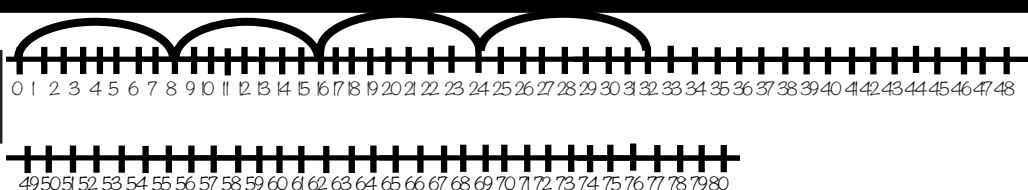
$$16 \div 8$$



$$24 \div 8$$



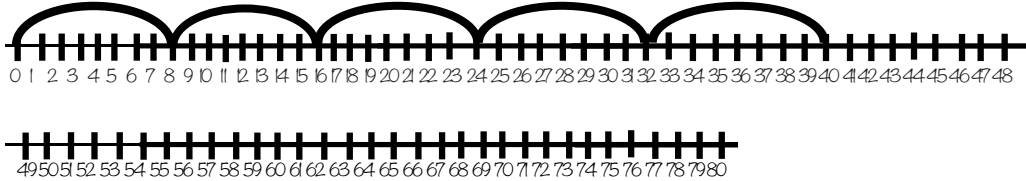
$$32 \div 8$$



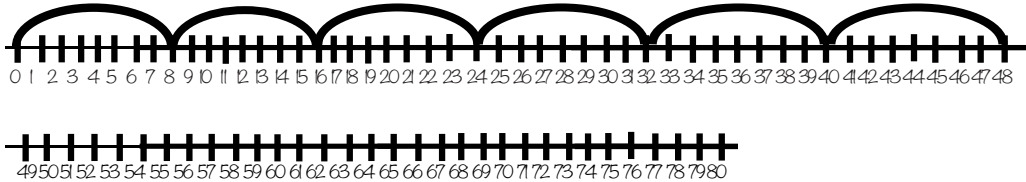
# Division Strategies:

## NUMBER LINES

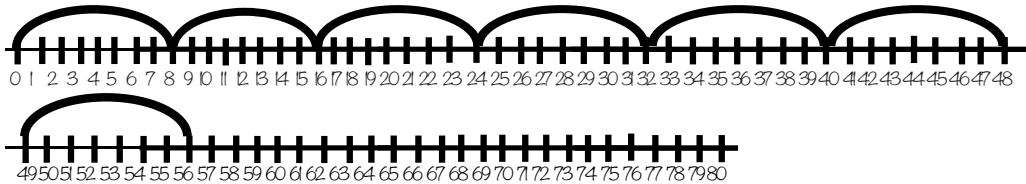
$40 \div 8$



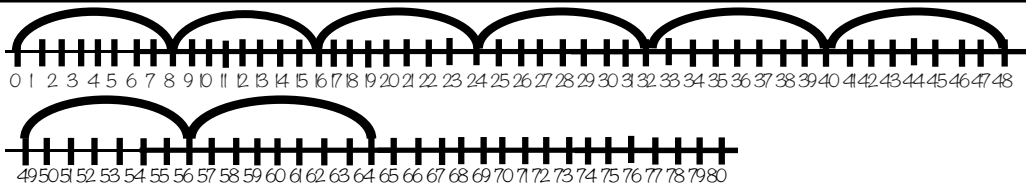
$48 \div 8$



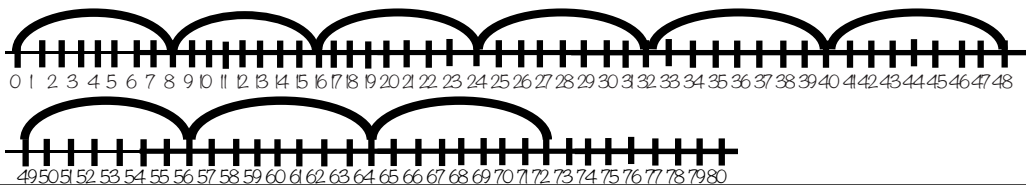
$56 \div 8$



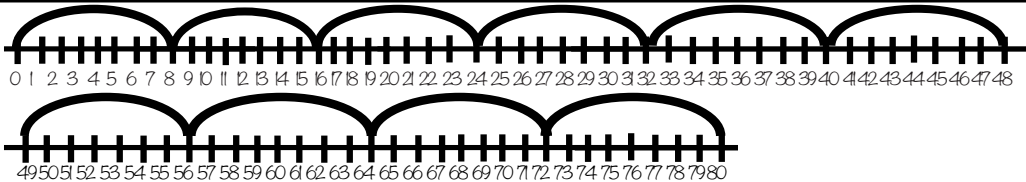
$64 \div 8$



$72 \div 8$



$80 \div 8$



# *Division Strategies:* **SKIP COUNTING CHART**

**8**

**16**

**24**

**32**

**40**

**48**

**56**

**64**

**72**

**80**

# Division Vocabulary

**dividend**

**divisor**

**quotient**

$$40 \div 8 = 5$$

**divisor**

$$\begin{array}{r} 5 \\ 8 \overline{) 40} \end{array}$$

**quotient**

**dividend**

**dividend**

$$\frac{40}{8} = 5$$

**divisor**

**quotient**

# Array Flashcards

**USE THE MODEL TO SOLVE.**



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



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

# Array Flashcards

**USE THE MODEL TO SOLVE.**



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



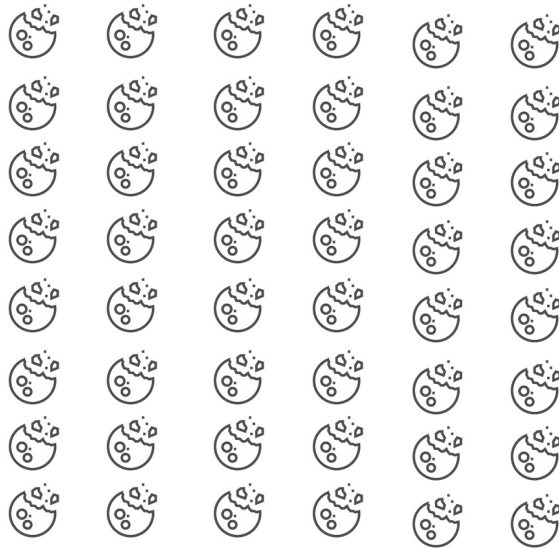
$$32 \div 8 = \underline{4}$$

# Array Flashcards

**USE THE MODEL TO SOLVE.**



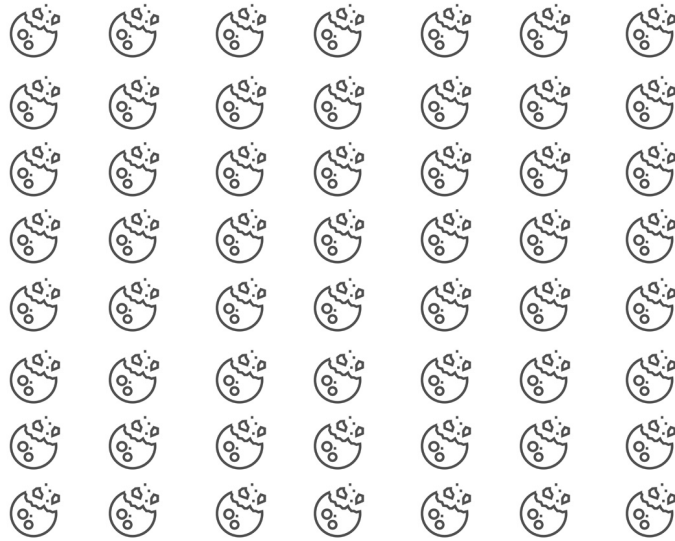
$$40 \div 8 = \underline{5}$$



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

# Array Flashcards

**USE THE MODEL TO SOLVE.**



$$56 \div 8 = \underline{7}$$



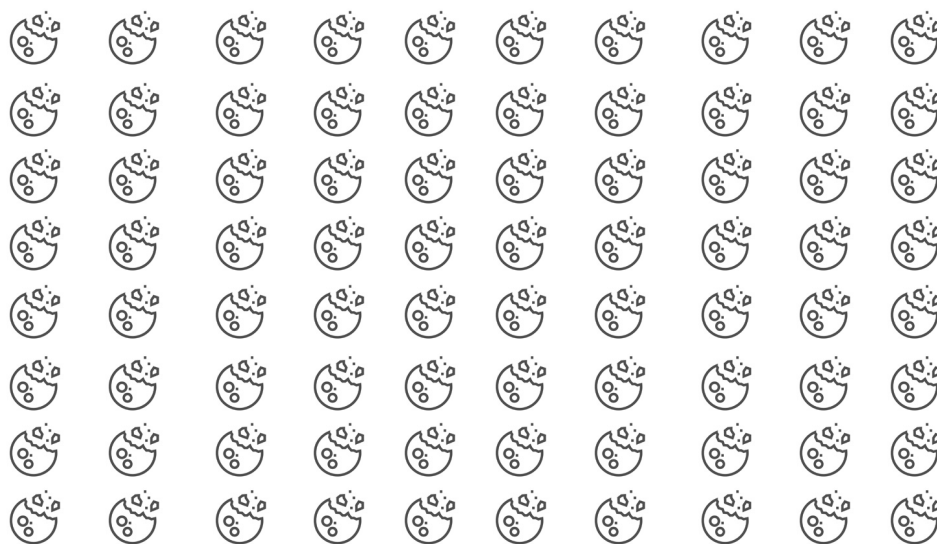
$$64 \div 8 = \underline{8}$$

# Array Flashcards

**USE THE MODEL TO SOLVE.**



$$72 \div 8 = \underline{9}$$



$$80 \div 8 = \underline{10}$$

# Array Flashcards

**WRITE AN EQUATION THAT  
MATCHES THE ARRAY.**

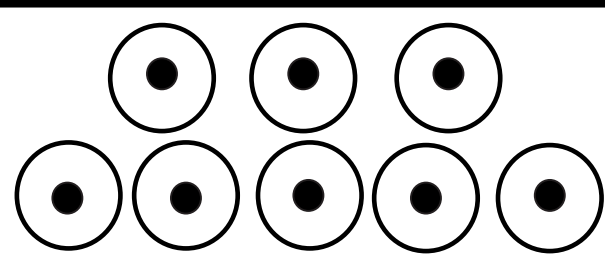
**FREE CHOICE**

**FREE CHOICE**

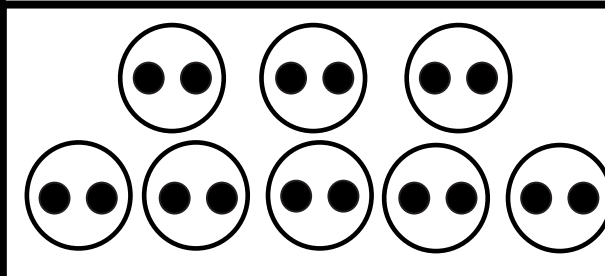
# Equal Group Flashcards

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

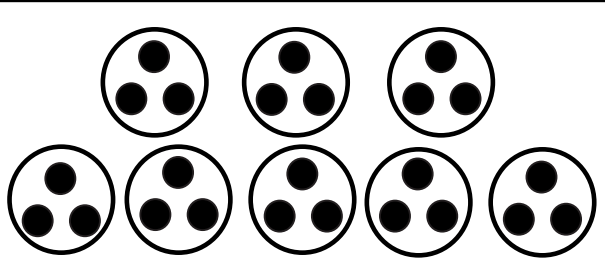
**8 ÷ 8 = 1**



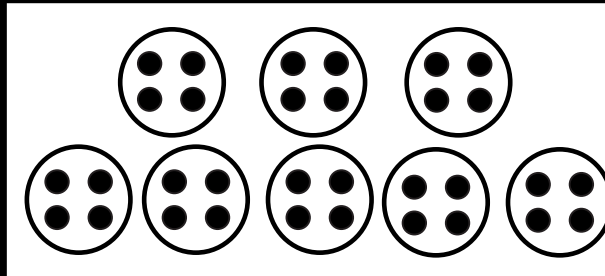
**16 ÷ 8 = 2**



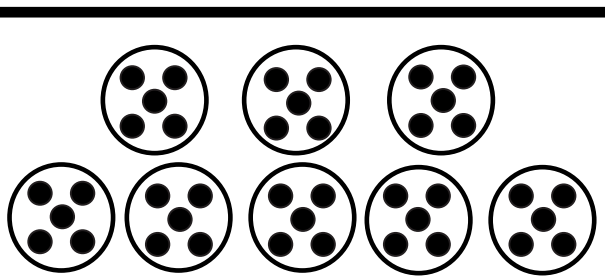
**24 ÷ 8 = 3**



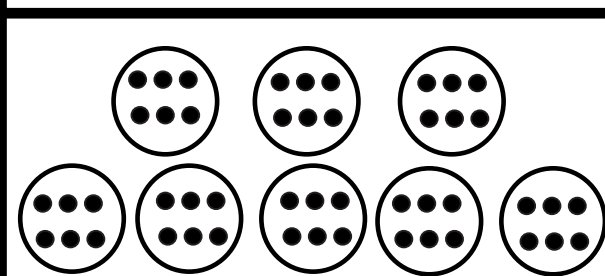
**32 ÷ 8 = 4**



**40 ÷ 8 = 5**

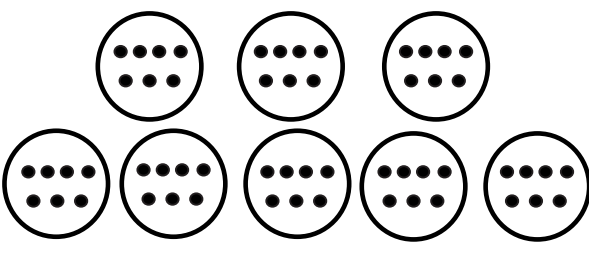


**48 ÷ 8 = 6**

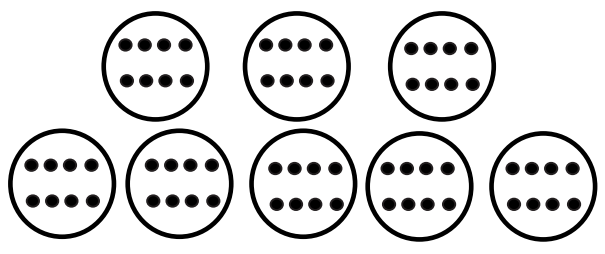


# Equal Group Flashcards

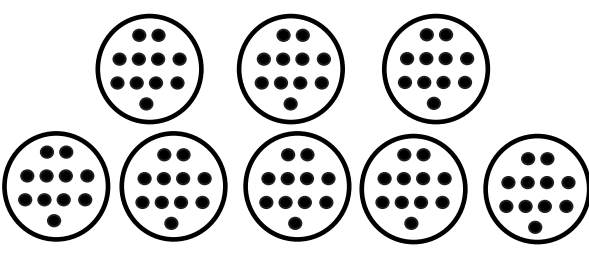
**MAKE YOUR OWN EQUAL GROUP FLASHCARDS. DRAW EQUAL GROUPS TO MODEL THE PROBLEM.**

$$56 \div 8 = \underline{7}$$


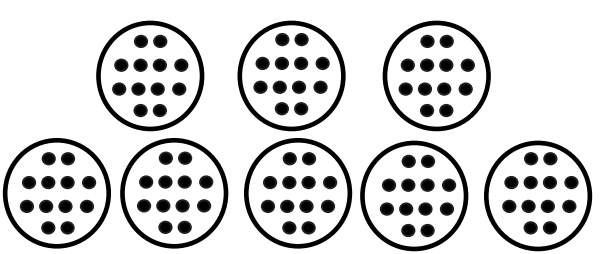
A diagram illustrating the division problem 56 ÷ 8 = 7. It shows 7 equal groups, each containing 8 dots. The groups are arranged in two rows: the top row has 3 groups and the bottom row has 4 groups.

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


A diagram illustrating the division problem 64 ÷ 8 = 8. It shows 8 equal groups, each containing 8 dots. The groups are arranged in two rows: the top row has 3 groups and the bottom row has 5 groups.

$$72 \div 8 = \underline{9}$$


A diagram illustrating the division problem 72 ÷ 8 = 9. It shows 9 equal groups, each containing 8 dots. The groups are arranged in two rows: the top row has 3 groups and the bottom row has 6 groups.

$$80 \div 8 = \underline{10}$$


A diagram illustrating the division problem 80 ÷ 8 = 10. It shows 10 equal groups, each containing 8 dots. The groups are arranged in two rows: the top row has 3 groups and the bottom row has 7 groups.

# Regular Flashcards

$$0 \div 8$$

$$8 \div 8$$

$$16 \div 8$$

$$25 \div 8$$

$$32 \div 8$$

$$40 \div 8$$

# Regular Flashcards

$$48 \div 8$$

$$56 \div 8$$

$$64 \div 8$$

$$72 \div 8$$

$$80 \div 8$$

# Dividing by 8 Calling Cards

|   |   |    |   |   |
|---|---|----|---|---|
| 0 | 1 | 2  | 3 | 4 |
| 5 | 6 | 7  | 8 | 9 |
|   |   | 10 |   |   |

## Dividing by 8 4 IN A ROW

CHECK YOUR ANSWERS  
USING YOUR BOOKMARK.

$48 \div 8 = ?$

$64 \div 8 = ?$

$16 \div 8 = ?$

$72 \div 8 = ?$

$24 \div 8 = ?$

$0 \div 8 = ?$

$24 \div 8 = ?$

$0 \div 8 = ?$

$56 \div 8 = ?$

$40 \div 8 = ?$

$32 \div 8 = ?$

$64 \div 8 = ?$

$64 \div 8 = ?$

$8 \div 8 = ?$

$56 \div 8 = ?$

$0 \div 8 = ?$

$64 \div 8 = ?$

$16 \div 8 = ?$

$16 \div 8 = ?$

$72 \div 8 = ?$

$24 \div 8 = ?$

$40 \div 8 = ?$

$24 \div 8 = ?$

$80 \div 8 = ?$

$16 \div 8 = ?$

$8 \div 8 = ?$

$48 \div 8 = ?$

$0 \div 8 = ?$

$56 \div 8 = ?$

$32 \div 8 = ?$

$72 \div 8 = ?$

$0 \div 8 = ?$

$16 \div 8 = ?$

$40 \div 8 = ?$

$32 \div 8 = ?$

$24 \div 8 = ?$

$8 \div 8 = ?$

$56 \div 8 = ?$

$80 \div 8 = ?$

$24 \div 8 = ?$

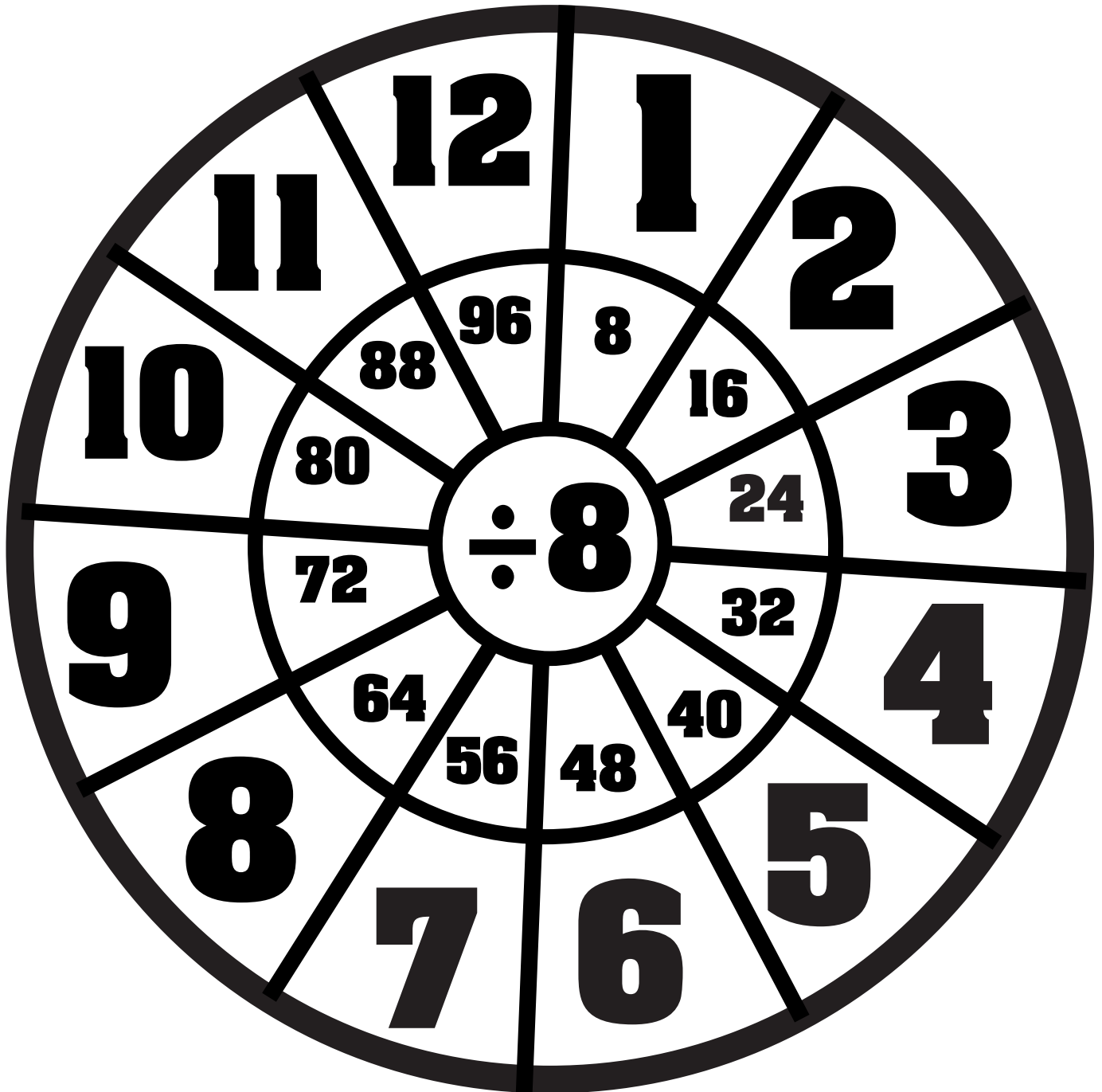
$56 \div 8 = ?$

$48 \div 8 = ?$

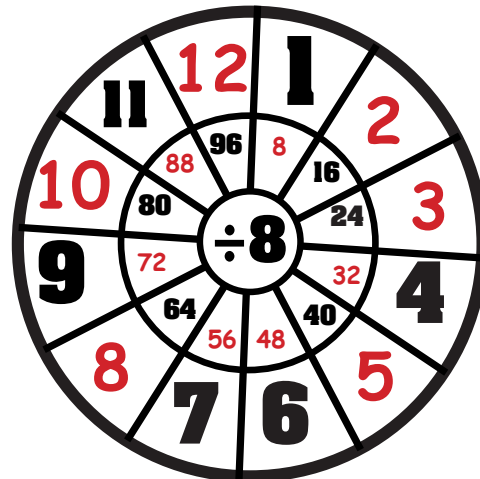
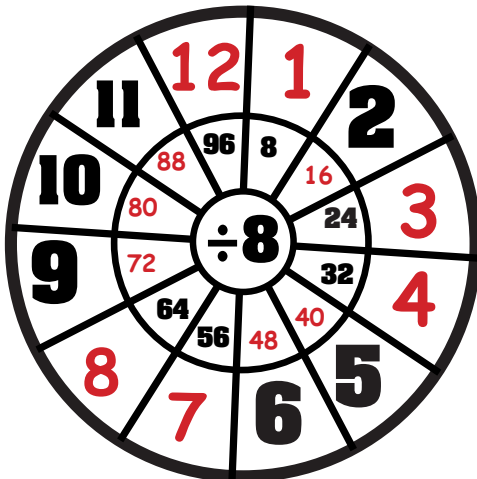
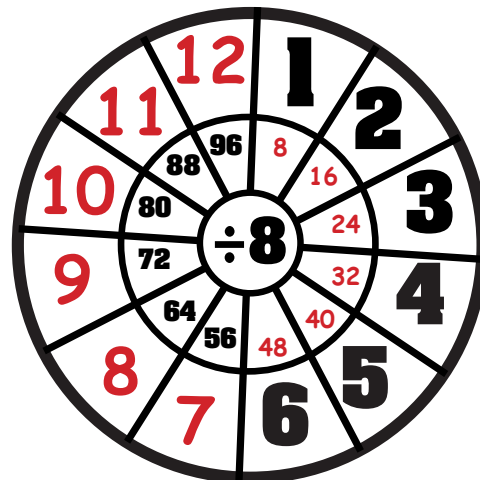
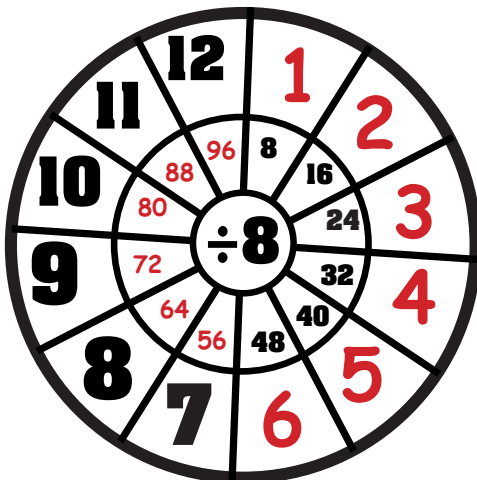
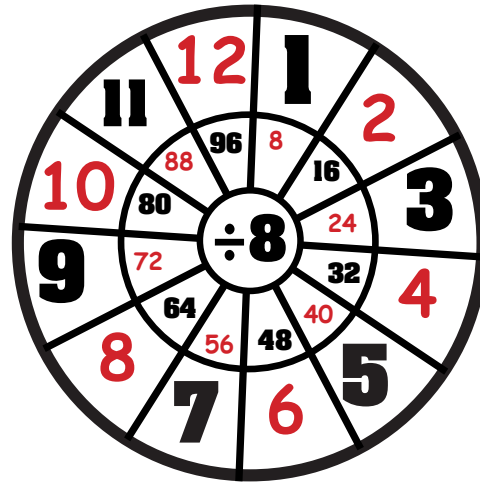
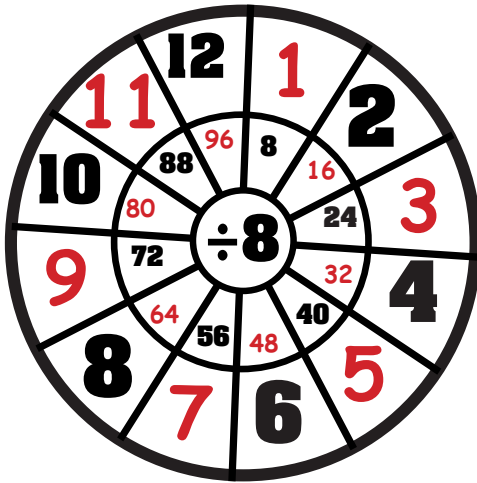
### Instructions:

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



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

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

$$\begin{array}{r} 8 \\ \hline \end{array} \div \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \hline \end{array} \div \begin{array}{r} 1 \\ \hline \end{array} = \begin{array}{r} 8 \\ \hline \end{array}$$


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

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

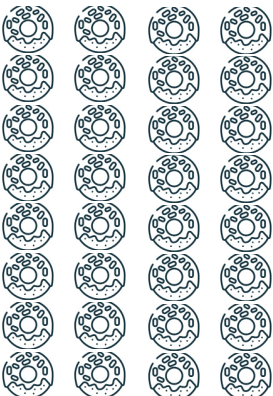
$$\begin{array}{r} 16 \\ \hline \end{array} \div \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 2 \\ \hline \end{array}$$

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


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

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

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

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


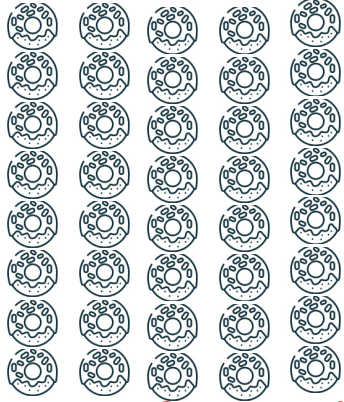
$$\begin{array}{r} 4 \\ \hline \end{array} \times \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 32 \\ \hline \end{array}$$

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

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

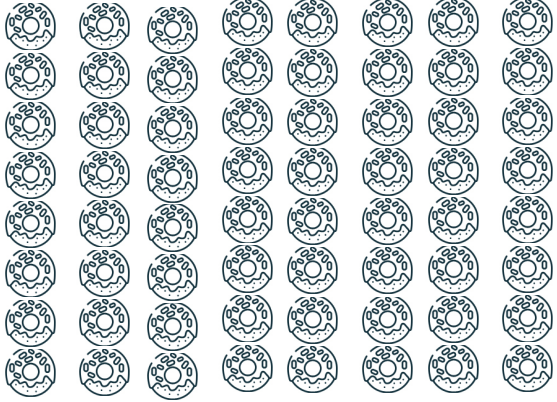
$$\begin{array}{r} 32 \\ \hline \end{array} \div \begin{array}{r} 4 \\ \hline \end{array} = \begin{array}{r} 8 \\ \hline \end{array}$$

# PICTURE FACT FAMILY



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


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


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


$$\begin{array}{r} 8 \times 8 = 64 \\ 8 \times 8 = 64 \\ 64 \div 8 = 8 \\ 64 \div 8 = 8 \end{array}$$

# PICTURE FACT FAMILY


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

## MAKE YOUR OWN

|       |   |       |   |       |
|-------|---|-------|---|-------|
| _____ | x | _____ | = | _____ |
| _____ | x | _____ | = | _____ |
| _____ | ÷ | _____ | = | _____ |
| _____ | ÷ | _____ | = | _____ |

# TRIANGLE FACT FAMILY

24

X ÷

8 3

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

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

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

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

8

X ÷

8 1

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

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

$$\begin{array}{r} 8 \\ \hline \end{array} \div \begin{array}{r} 8 \\ \hline \end{array} = \begin{array}{r} 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \hline \end{array} \div \begin{array}{r} 1 \\ \hline \end{array} = \begin{array}{r} 8 \\ \hline \end{array}$$

16

X ÷

8 2

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

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

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

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

# TRIANGLE FACT FAMILY

32

X ÷

8 4

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

40

X ÷

8 5

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

48

X ÷

8 6

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

56

X ÷

8 7

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

# TRIANGLE FACT FAMILY

A triangle with the number 64 at the top vertex, 8 at the bottom-left vertex, and 8 at the bottom-right vertex. In the center of the triangle is the text "X ÷".

$$\begin{array}{rcl} 8 & \times & 8 = 64 \\ 8 & \times & 8 = 64 \\ 64 & \div & 8 = 8 \\ 64 & \div & 8 = 8 \end{array}$$

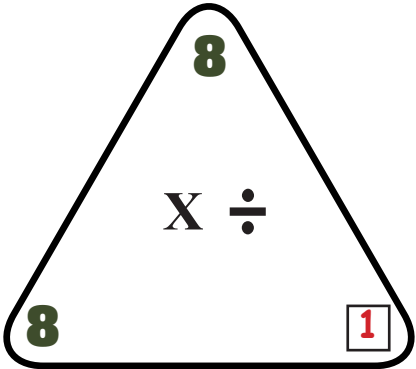
A triangle with the number 72 at the top vertex, 8 at the bottom-left vertex, and 9 at the bottom-right vertex. In the center of the triangle is the text "X ÷".

$$\begin{array}{rcl} 9 & \times & 8 = 72 \\ 8 & \times & 9 = 72 \\ 72 & \div & 8 = 9 \\ 72 & \div & 9 = 8 \end{array}$$

A triangle with the number 80 at the top vertex, 8 at the bottom-left vertex, and 10 at the bottom-right vertex. In the center of the triangle is the text "X ÷".

$$\begin{array}{rcl} 10 & \times & 8 = 80 \\ 8 & \times & 10 = 80 \\ 80 & \div & 8 = 10 \\ 80 & \div & 10 = 8 \end{array}$$

# TRIANGLE FACT FAMILY

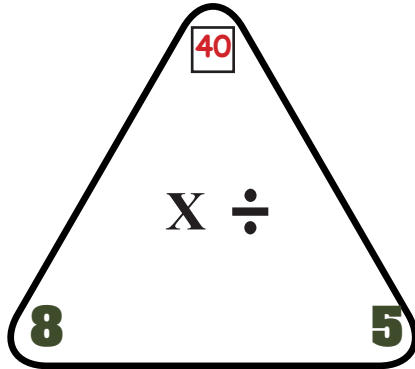


8

X ÷

8 1

|   |   |   |   |   |
|---|---|---|---|---|
| 1 | x | 8 | = | 8 |
| 8 | x | 1 | = | 8 |
| 8 | ÷ | 8 | = | 1 |
| 8 | ÷ | 1 | = | 8 |

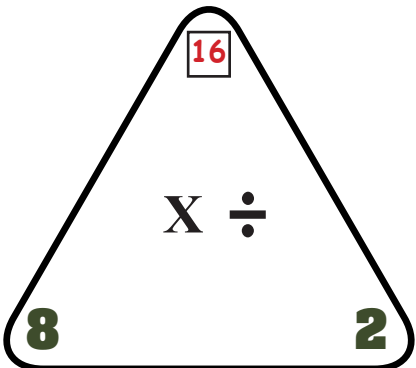


40

X ÷

8 5

|    |   |   |   |    |
|----|---|---|---|----|
| 5  | x | 8 | = | 40 |
| 8  | x | 5 | = | 40 |
| 40 | ÷ | 8 | = | 5  |
| 40 | ÷ | 5 | = | 8  |

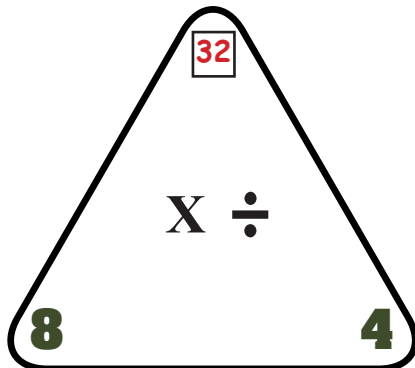


16

X ÷

8 2

|    |   |   |   |    |
|----|---|---|---|----|
| 2  | x | 8 | = | 16 |
| 8  | x | 2 | = | 16 |
| 16 | ÷ | 8 | = | 2  |
| 16 | ÷ | 2 | = | 8  |



32

X ÷

8 4

|    |   |   |   |    |
|----|---|---|---|----|
| 4  | x | 8 | = | 32 |
| 8  | x | 4 | = | 32 |
| 32 | ÷ | 8 | = | 4  |
| 32 | ÷ | 4 | = | 8  |

# TRIANGLE FACT FAMILY

$7 \times 8 = 56$   
 $8 \times 7 = 56$   
 $56 \div 8 = 7$   
 $56 \div 7 = 8$

$3 \times 8 = 24$   
 $8 \times 3 = 24$   
 $24 \div 8 = 3$   
 $24 \div 3 = 8$

$6 \times 8 = 48$   
 $8 \times 6 = 48$   
 $48 \div 8 = 6$   
 $48 \div 6 = 8$

# WORD PROBLEM

MODEL YOUR THINKING AND SOLVE THE PROBLEM

THE BAKERY HAD 40 DONUTS IN 8 ROWS. THEY HAD THE SAME AMOUNT IN EACH ROW. HOW MANY WERE IN EACH ROW?

$$\underline{40} \div \underline{8} = \underline{5}$$

THE BAKERY HAD 64 DONUTS. THEY PUT 8 IN A ROW. HOW MANY ROWS DID THEY MAKE?

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

THE BAKERY MADE 16 MUFFINS. THEY PACKED 8 IN A BOX. HOW MANY BOXES DID THEY USE?

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

THE BAKERY MADE 24 HAND PIES. THEY USED 8 BOXES. THEY PUT THE SAME AMOUNT OF PIES IN EACH BOX. HOW MANY HAND PIES DID THEY PUT IN EACH BOX?

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

# QUIZ

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

**I CAN SKIP COUNT TO  
DIVIDE BY 8'S!**

**I CAN USE EQUAL GROUPS  
TO DIVIDE BY 8'S!**

**I CAN USE ARRAYS TO  
DIVIDE BY 8'S.**

**I CAN MODEL DIVIDING BY  
8'S ON THE NUMBER LINE!**

**I CAN USE REPEATED  
SUBTRACTION TO DIVIDE BY  
8'S.**

**MY STRATEGY FOR THINKING  
ABOUT DIVIDING BY 8'S IS....**

# CERTIFICATE

★ **GREAT MATH WORK!** ★

\_\_\_\_\_  
**HAS SUCCESSFULLY PRACTICED  
DIVIDING BY 8'S!**

**GREAT JOB!**

**TEACHER:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

# Looking at the 8's

$$8 \div 8 = 1$$

$$16 \div 8 = 2$$

$$24 \div 8 = 3$$

$$32 \div 8 = 4$$

$$40 \div 8 = 5$$

$$48 \div 8 = 6$$

$$56 \div 8 = 7$$

$$64 \div 8 = 8$$

$$72 \div 8 = 9$$

$$80 \div 8 = 10$$

# Bookmarks

8

**Division**

$$8 \div 8 = 1$$

$$16 \div 8 = 2$$

$$24 \div 8 = 3$$

$$32 \div 8 = 4$$

$$40 \div 8 = 5$$

$$48 \div 8 = 6$$

$$56 \div 8 = 7$$

$$64 \div 8 = 8$$

$$72 \div 8 = 9$$

$$80 \div 8 = 10$$

**DIVIDING A NUMBER BY 8**

**Hint: Think Multiplication!**

**8 x ? = \_**

8

**DIVISION**

$$8 \div 8 = 1$$

$$16 \div 8 = 2$$

$$24 \div 8 = 3$$

$$32 \div 8 = 4$$

$$40 \div 8 = 5$$

$$48 \div 8 = 6$$

$$56 \div 8 = 7$$

$$64 \div 8 = 8$$

$$72 \div 8 = 9$$

$$80 \div 8 = 10$$

**DIVIDING A NUMBER BY 8**

**Hint: Think Multiplication!**

**8 x ? = \_**

8

**DIVISION**

$$8 \div 8 = 1$$

$$16 \div 8 = 2$$

$$24 \div 8 = 3$$

$$32 \div 8 = 4$$

$$40 \div 8 = 5$$

$$48 \div 8 = 6$$

$$56 \div 8 = 7$$

$$64 \div 8 = 8$$

$$72 \div 8 = 9$$

$$80 \div 8 = 10$$

**DIVIDING A NUMBER BY 8**

**Hint: Think Multiplication!**

**8 x ? = \_**