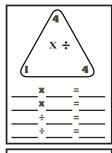
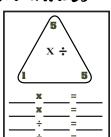
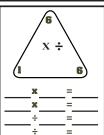
## DIVIDING by

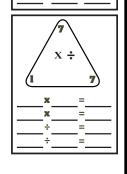
#### **WORK BOOKLET**

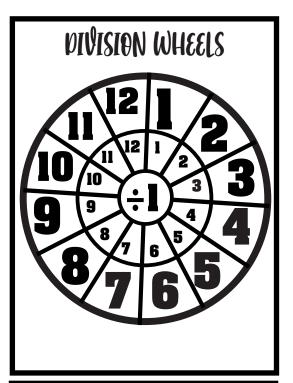
#### TRIANGLE FACT FAMILY



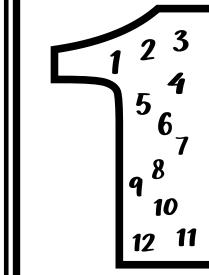








#### MULTIPLES OF



Pivision Strategies:

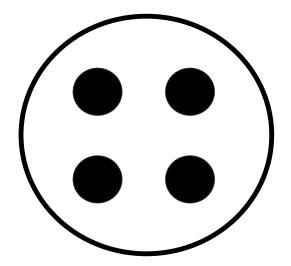


 $4 \div 1 = 4$ 

## STRATEGY POSTER

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

$$4 \div 1 = 4$$



Hint: Think multiplication!  $I \times ? = 4$ 

## DIVISION

DIVISOR

DIVIDEND

QUOTIENT

#### **MULTIPLES OF ONE**



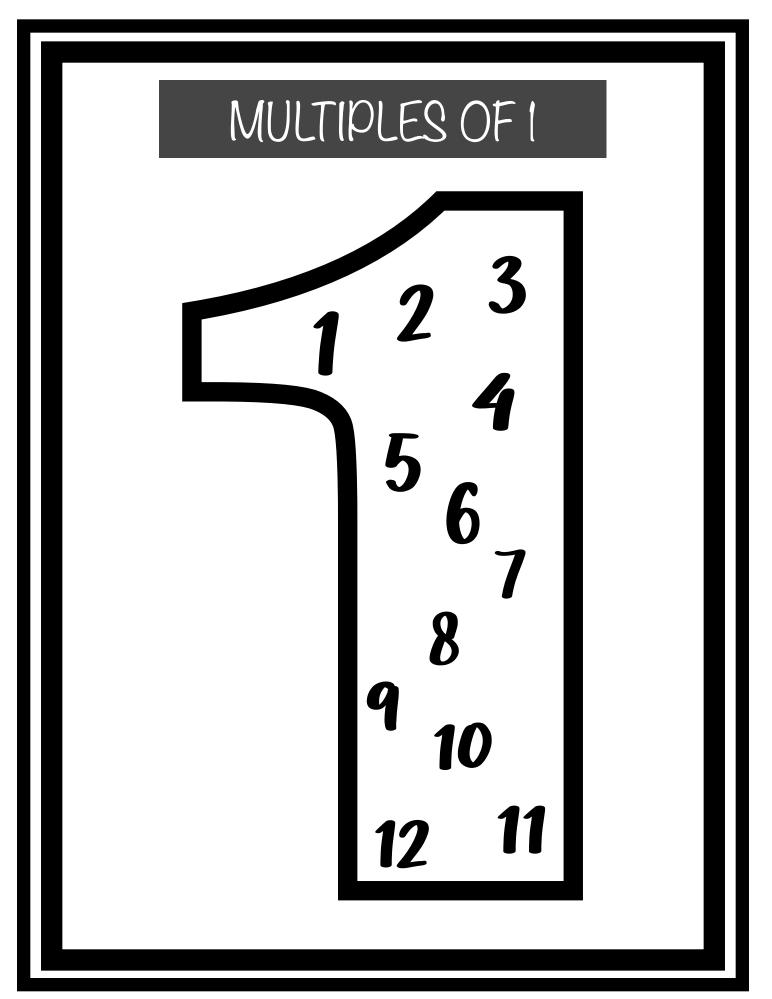
11



12



# MULTIPLES OF ONE

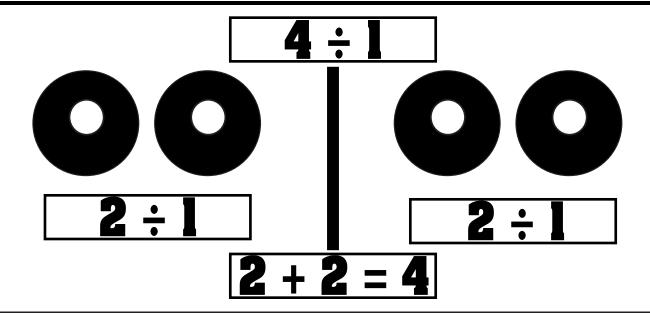




### DISTRIBUTIVE PROPERTY

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**

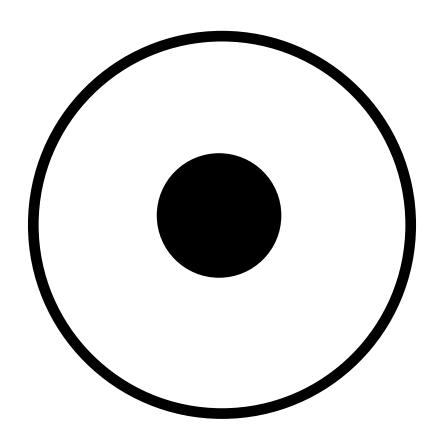
There were 10 marbles. I put 1 in each bag. How many bags did I use?

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

#### IDENTITY PROPERTY

#### **DIVIDING A NUMBER BY 1**

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



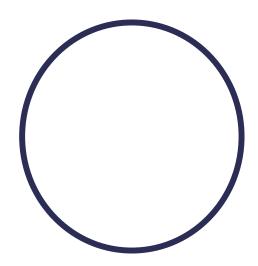
Hint : It's always the number when you divide by I.

#### ZERO PROPERTY

#### DIVIDING O BY A NUMBER

$$0 \div 8$$

$$0 \div 1$$



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

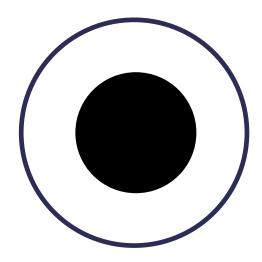
#### DIVISION BY ITSELF PROPERTY

#### DIVIDING A NUMBER BY IT SELF

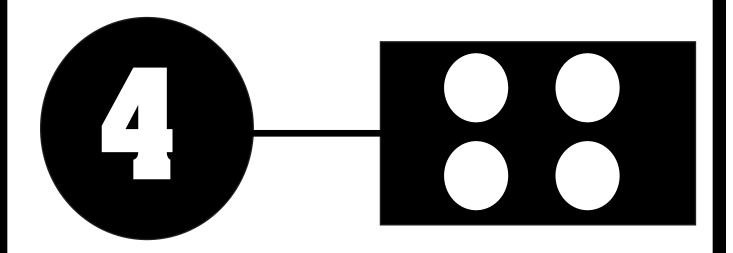
10 ÷ 10

5 ÷ 5

8 ÷ 8



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



 $4 \div 1 = 4$ 

$$1 \div 1 = 1$$

$$2 \div 1 = 2$$

$$3 \div 1 = 3$$

$$4 \div 1 = 4$$

$$5 \div 1 = 5$$

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

$$7 \div 1 = 7$$

$$8 \div 1 = 8$$

$$9 \div 1 = 9$$

 $10 \div 1 = 10$ 

#### **FREE CHOICE**

**FREE CHOICE** 

## Division Strategies: RELATED FACT

## Vivision Strategies: RELATED FACT

## Division Strategies: RELATED FACT

#### think

## Division Strategies: REPEATED SUBTRACTION

$$6 \div 1 = ?$$
 $6 \cdot 1 = 5$ 
 $5 \cdot 1 = 4$ 
 $4 \cdot 1 = 3$ 
 $1 = 2$ 
 $2 \cdot 1 = 1$ 
 $1 \cdot 1 = 0$ 
 $6 \div 1 = 6$ 

## Vivision Strategies: REPEATED SUBTRACTION

$$\mathbf{6} \div \mathbf{1} = \mathbf{?}$$

$$- 1 = 0$$

$$\mathbf{6} \div \mathbf{1} = \square$$

## Division Strategies: REPEATED SUBTRACTION

$$7 \div 1 = ?$$

$$- 1 = 4$$

$$3 - = 2$$

$$2 - = 1$$

$$- 1 = 0$$

# Vivision Strategies: REPEATED SUBTRACTION

$$5 \div 1 = ?$$

$$5 \div 1 = \square$$

# Division Strategies: REPEATED SUBTRACTION

$$\mathbf{8} \div \mathbf{1} = \mathbf{?}$$

$$8 - = 7$$

$$7 - = 6$$

$$6 - = 5$$

$$- 1 = 4$$

$$- 1 = 3$$

$$3 - = 2$$

$$2 - = 1$$

$$- 1 = 0$$

$$\mathbf{8} \div \mathbf{1} = \square$$

Division Strategies:

## Vivision Strategies:

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



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?

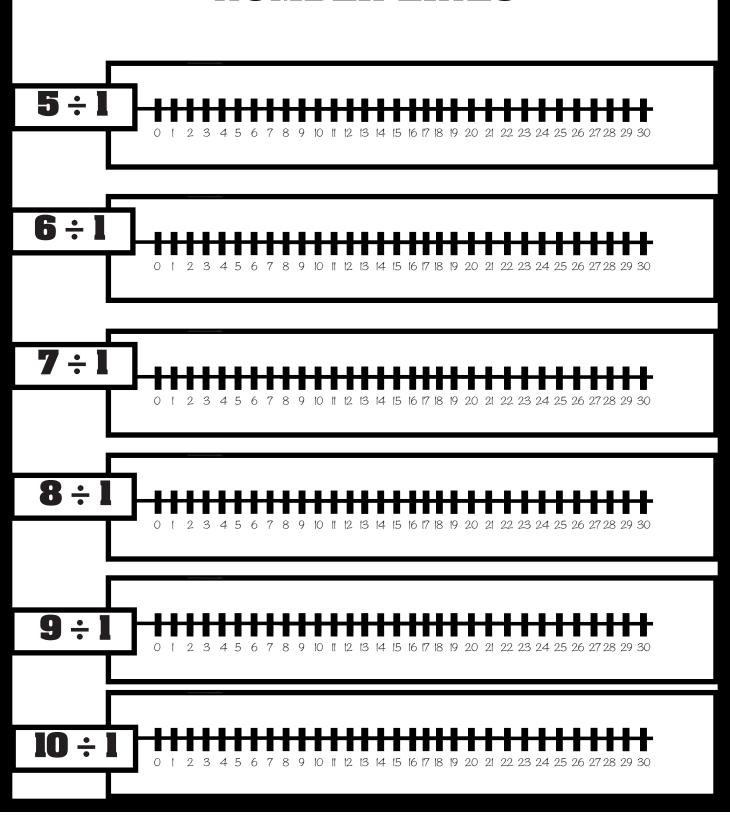






0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30

# Division Strategies: number lines



## Division Vocabulary

dividend : divisor : quotient

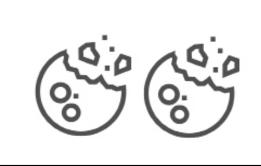
quotient

divisor 1 7 dividend

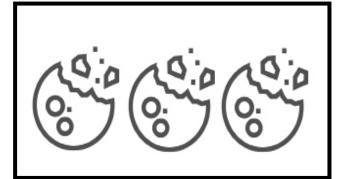
divisor

# Array Flashcards write an equation that matches the array.





$$3 \div 1 = _{-}$$



# Array Flashcards write an equation that matches the array.



$$5 \div 1 = _{-}$$

$$\mathbf{6} \div \mathbf{1} = \underline{\phantom{0}}$$

# Array Flashcards write an equation that matches the array.

$$\mathbf{8} \div \mathbf{1} = \underline{\phantom{0}}$$

$$9 \div 1 = _{-}$$

상상생생생생생생

# Array Flashcards model the problems on the grids.

10 ÷ 1 = \_\_

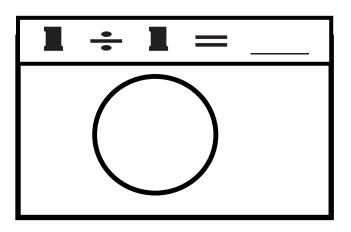
(\*) (\*) (\*) (\*) (\*) (\*) (\*)

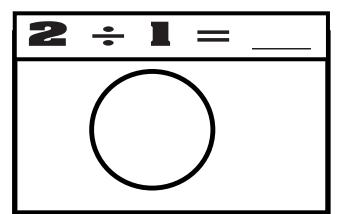
**FREE CHOICE** 

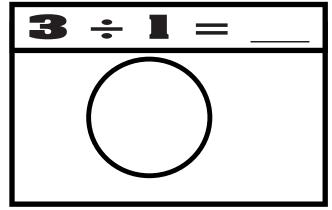
**FREE CHOICE** 

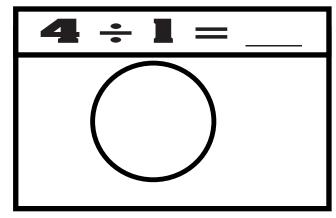
## Equal Group Flashcards

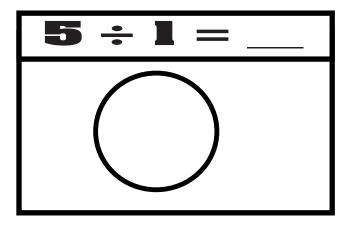
MAKE YOUR OWN EQUAL GROUP FLASHCARDS. DRAW EQUAL GROUPS TO MODEL THE PROBLEM.

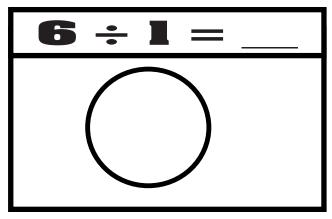






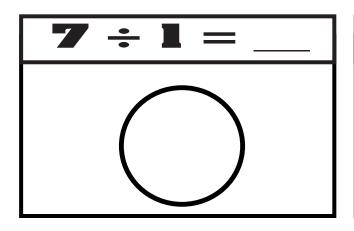


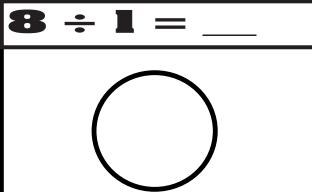


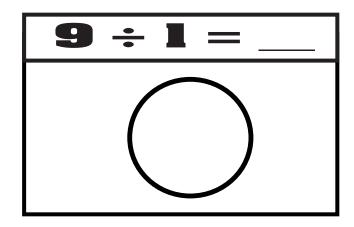


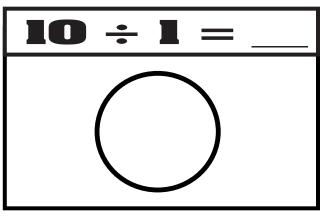
## Equal Group Flashcards

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









## Regular Flashcards

 $0 \div 1$ 

1 ÷ 1

2 ÷ 1

3 ÷ 1

4 ÷ 1

5 ÷ 1

## Regular Flashcards

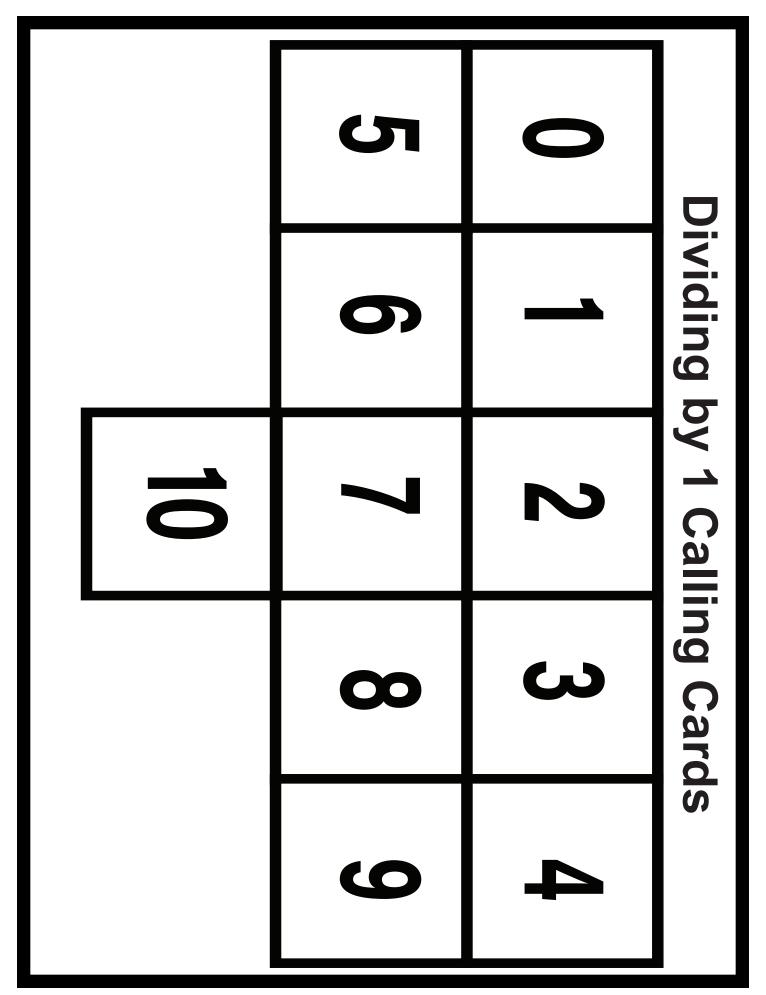
 $6 \div 1$ 

7 ÷ 1

8 ÷ 1

9 ÷ 1

10 ÷ 1

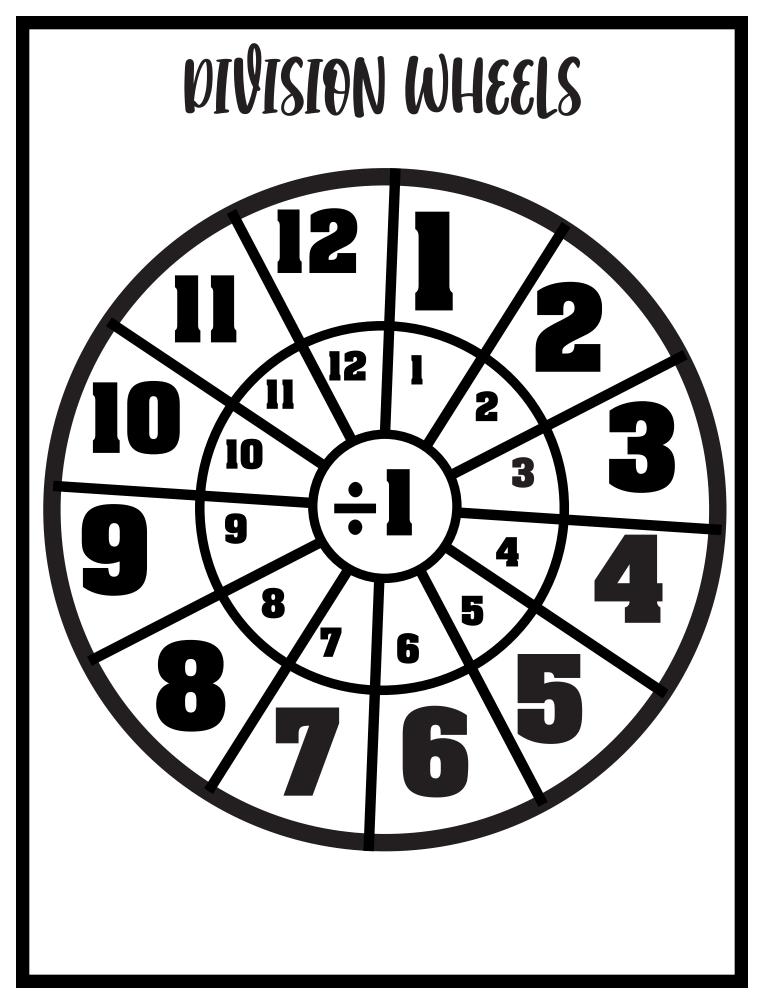


#### Dividing by 1 4 IN A ROW

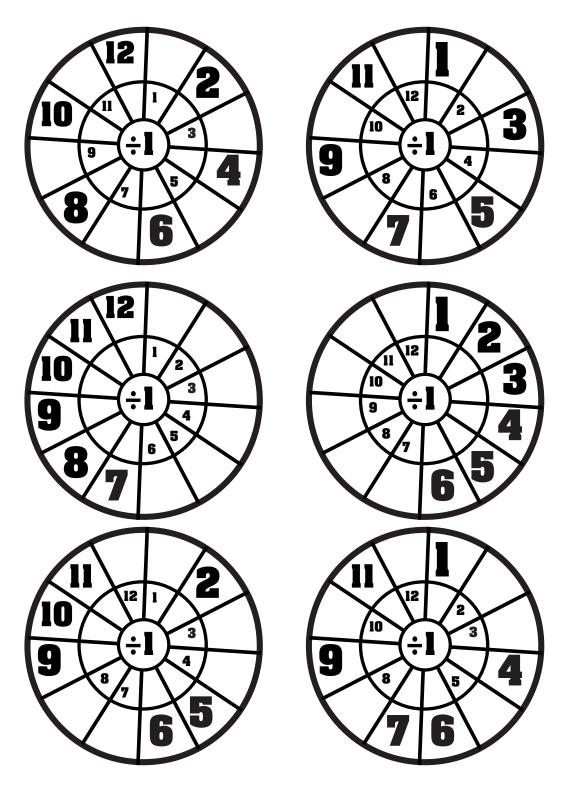
CHECK YOUR
ANSWERS USING
YOUR BOOKMARK.

#### 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



#### PICTURE FACT FAMILY

















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<u>.</u>

#### PICTURE FACT FAMILY

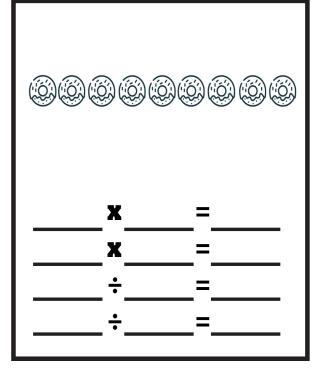




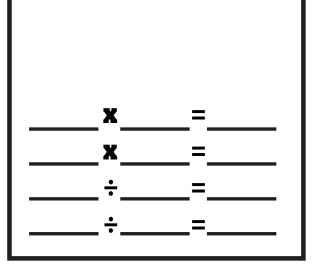


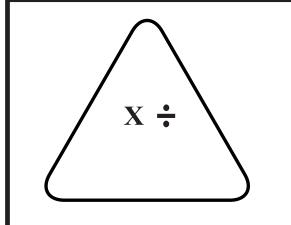


#### PICTURE FACT FAMILY

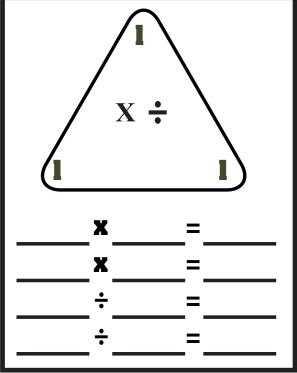


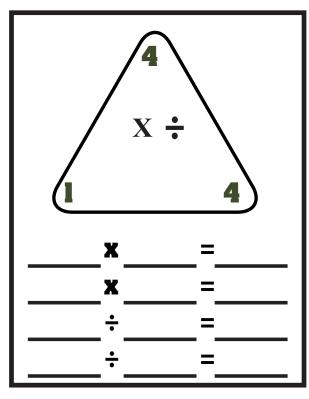
#### MAKE YOUR OWN

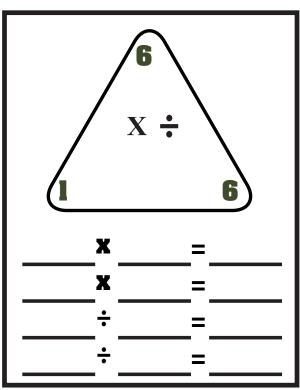


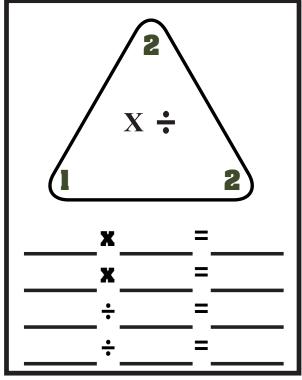


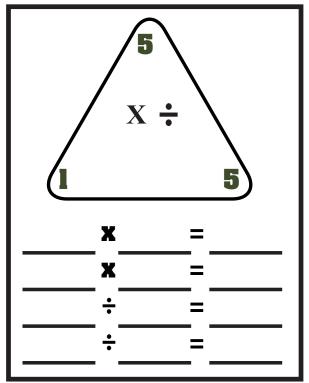
x	=
x	=
÷	=
÷	 =

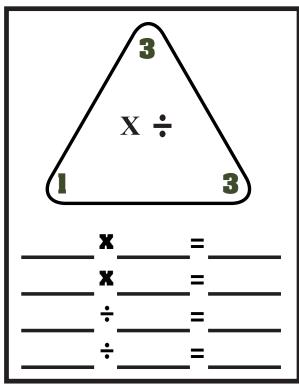


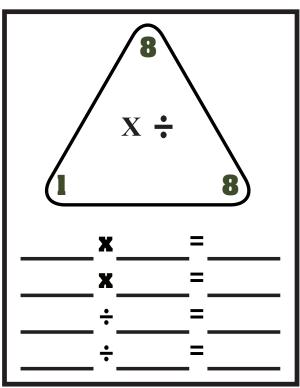


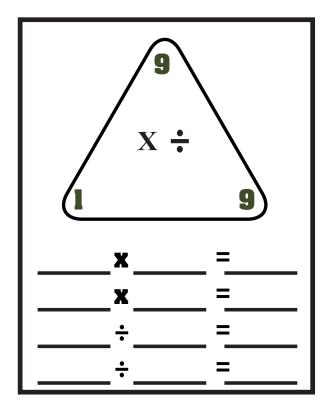


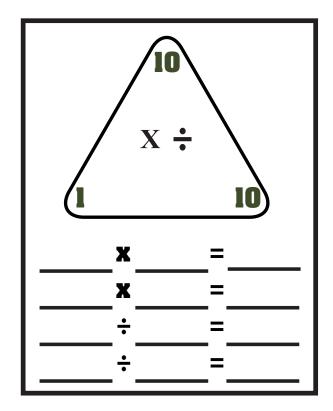


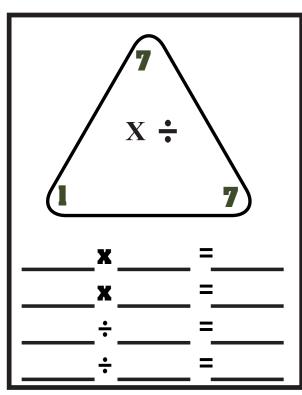


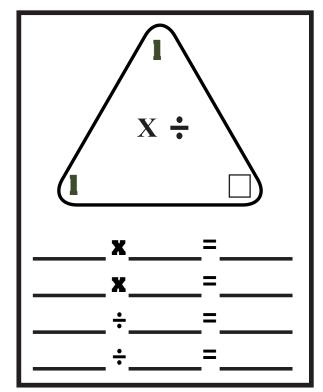


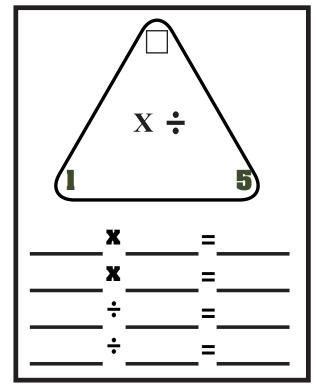


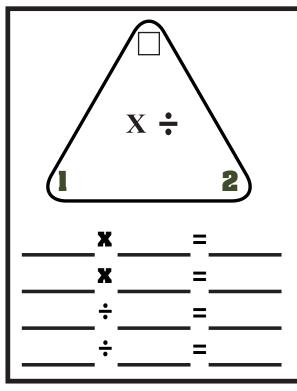


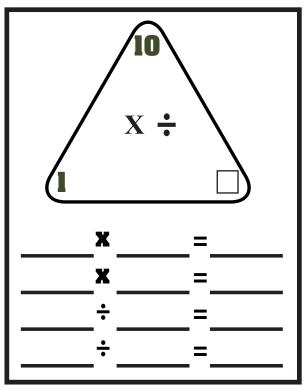


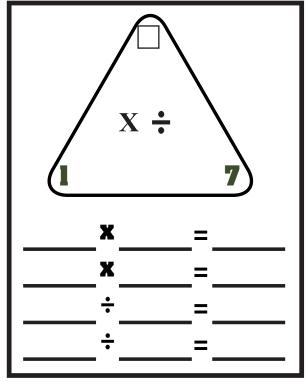


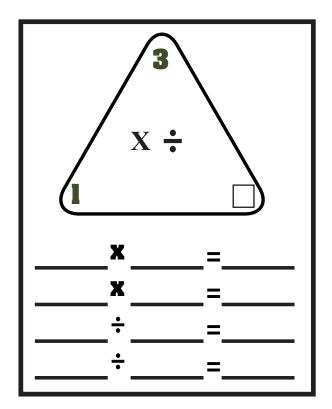


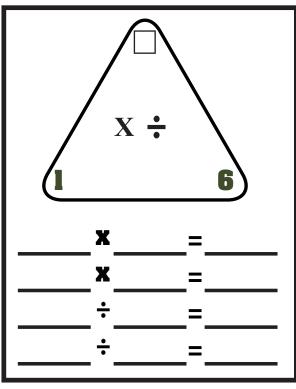












#### MAKA AKARTEN

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

\_÷\_\_\_=\_

\_\_\_÷\_\_\_=\_\_

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

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?

\_\_\_\_÷\_\_\_=\_\_\_

\_\_\_\_\_÷\_\_\_=\_\_\_



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

I CAN SKIP COUNT TO	I CAN USE EQUAL GROUPS
DIVIDE BY 1'S!	TO DIVIDE BY 1'S!
I CAN USE ARRAYS TO	I CAN MODEL DIVIDING BY
MODEL DIVIDING BY I'S!	I'S ON THE NUMBER LINE!
I CAN USE REPEATED SUBTRACTION TO DIVIDE BY I'S.	MY STRATEGY FOR THINKING ABOUT DIVIDING BY 1'S IS

#### CERTIFICATE

HAS SUCCESSFULLY PRACTICED DIVIDING CALL MATH W.

# **GREAT JOB!**

**BY 1'S!** 

TEACHER:

DATE:

#### Looking at the 1's

$$0 \div 1 = 0 | 6 \div 1 = 6$$
 $1 \div 1 = 1 | 7 \div 1 = 7$ 
 $2 \div 1 = 2 | 8 \div 1 = 8$ 
 $3 \div 1 = 3 | 9 \div 1 = 9$ 
 $4 \div 1 = 4 | 10 \div 1 = 10$ 
 $5 \div 1 = 5$ 

#### Bookmarks

# Division

$$1 \div 1 = 1$$
  
 $2 \div 1 = 2$   
 $3 \div 1 = 3$   
 $4 \div 1 = 4$   
 $5 \div 1 = 5$   
 $6 \div 1 = 6$   
 $7 \div 1 = 7$   
 $8 \div 1 = 8$   
 $9 \div 1 = 9$   
 $10 \div 1 = 10$ 

#### DIVIDING A NUMBER BY 1

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



#### **DIVIDING A NUMBER BY 1**

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

# I DIVISION

#### DIVIDING A NUMBER BY 1

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