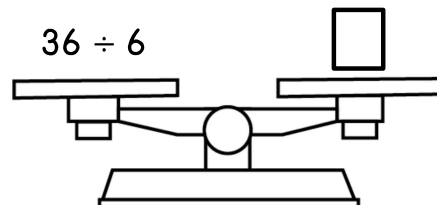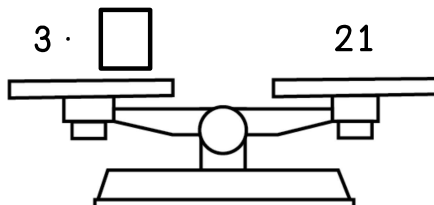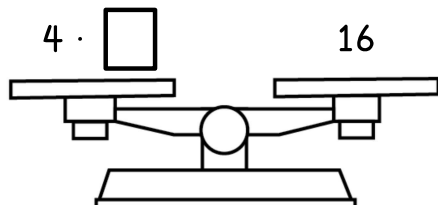Name _____

Date _____ Pd _____

# ONE-STEP EQUATIONS: MULTIPLICATION & DIVISION

Use your understanding of one-step equations to fill in the missing number to keep the scales balanced.

$4 \cdot \square$ 16 $3 \cdot \square$ 21 $36 \div 6$ $\square$
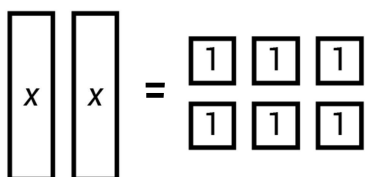
SOLVING ONE-STEP EQUATIONS

- Solving equations allows you to find a missing value, or variable.

  - The _____ must be alone or _____ on one side of the equation.

  - Isolate the variable by using _____ operations.

  - Keep your equation _____.

  - Check your _____ by plugging your answer back into the equation.

1. Use the key to write and solve the equation represented below.

x x x = 1 1 1 1 1 1 1 1 1 1 1 1
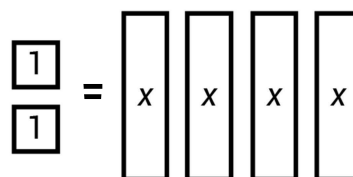
KEY

x $-x$ 1 -1
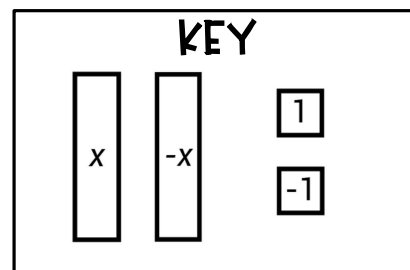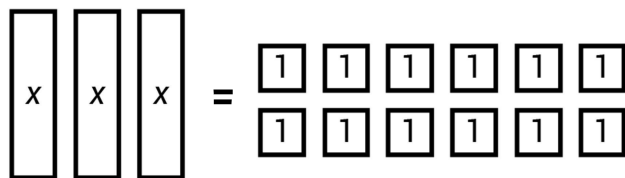
Equation: _____   Solution: _____

2. Write and solve the equation represented below.

x x = 1 1 1 1 1 1

Equation: _____

Solution: _____

3. Write and solve the equation represented below.

$\dfrac{1}{1}$ = x x x x

Equation: _____

Solution: _____

Use your understanding of solving one-step equations to answer the questions below.

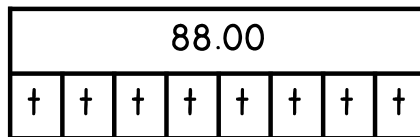| 4. Write and solve the equation represented below.	5. Write and solve the equation represented below.

4. Write and solve the equation represented below.

15		
r	r	r
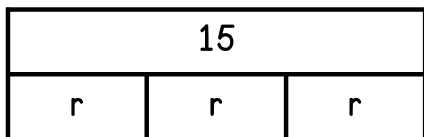
Equation: _____

Solution: _____

5. Write and solve the equation represented below.

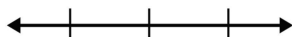| 88.00							
t	t	t	t	t	t	t	t

Equation: _____

Solution: _____

Solve the following one-step equations. Draw algebra tiles if needed, and then check your work.

6.
$$3x = 12$$
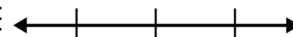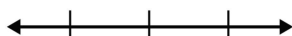
_____

CHECK & GRAPH:

7.
$$\frac{x}{2} = 16$$

_____

CHECK & GRAPH:

8.
$$75 = 5x$$

_____

CHECK & GRAPH:

9.
$$12 = \frac{x}{4}$$

_____

CHECK & GRAPH:
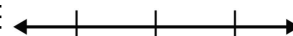
10.
$$9x = 126$$

_____

CHECK & GRAPH:
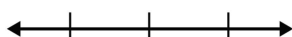
11.
$$8 = \frac{x}{7}$$

_____

CHECK & GRAPH:
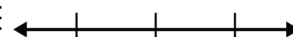
12.
$$\frac{x}{15} = 7$$

_____

CHECK & GRAPH:

13.
$$120 = 10x$$

_____

CHECK & GRAPH:

Summarize today's lesson:

Name _____

Date _____ Pd _____

ONE-STEP EQUATIONS: MULTIPLICATION & DIVISION

Franco is playing memory with different math cards. Solve for x on each card and record the matching sets below.

A	**B**	**C**	**D**
$8x = 72$	$9 + x = 33$	$\dfrac{x}{5} = 12$	$7 = x - 9$

E	**F**	**G**	**H**
$\dfrac{x}{4} = 8$	$16 + x = 34$	$8x = 104$	$x + 82 = 92$

I	**J**	**K**	**L**
$x - 13 = 5$	$20x = 200$	$47 = x + 38$	$\dfrac{x}{2} = 8$

M	**N**	**O**	**P**
$\dfrac{x}{6} = 4$	$96 = 3x$	$x + 48 = 61$	$x - 32 = 28$

A		B		C		D	
x =		x =		x =		x =	

E		F		G		H	
x =		x =		x =		x =	