Name:	Date:
Ms. Napolitano	Activity: 6.2
	Topic: Equations

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Example #1	Example #2
Write the expression $8 \times 8 \times 8 \times 8$ as a power (exponential form).	Describe and correct the error. $4 \times 4 \times 4 = 3^4$
Exponential Form:	

Example #3

What is the value of the expression below when c = 5 and d = 4? $6c^2 - 5d + 8$ **A** 48 **B** 79 **C** 138 **D** 888

Answer:

Think-Pair-Share

What is another way we can write the equation $\frac{b}{7} = 6$ using the coefficient 1?

Answer:	

Independent Practice

Equations	Solve	Check
a) $\frac{2}{5}x = 8$		
	X =	
b) $\frac{x}{9} = 7$		
	X =	
c) $\frac{x}{2} = 7$		
	X =	
d) $\frac{2}{3}x = 10$		
	X =	

CFU_Think-Pair-Share

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$$0.3r = 2.1$$

A
$$r = 0.7$$

B
$$r = 1.8$$

$$C r = 7$$

D
$$r = 18$$

2) Solve the equation below

$$0.15x = 0.45$$

A)
$$x = 2$$

$$B) x = 3$$

C)
$$x = 0.3$$

d)
$$x = 0.2$$

Answer:

3) Solve the equation below

$$1.1x = 44$$

B)
$$x = 44$$

C)
$$x = 4.4$$

d)
$$x = 40$$

Answer:

Answer:

4) Solve the equation below

$$0.2x = 2.48$$

A)
$$x = 12.04$$

B)
$$x = 1.24$$

C)
$$x = 12.4$$

d)
$$x = 0.124$$

Answer:

Solve for the variable. You MUST show your work.

$$4 = \frac{p}{15}$$

a. =
$$1/4$$

$$b. = 60$$

c.
$$= 3^{-3/4}$$

d. not enough info available to solve

Answer:

6)

What is the solution to the equation below?

$$4w = \frac{2}{3}$$

- **A** $w = \frac{2}{12}$
- B $w = \frac{2}{7}$
- $C w = \frac{8}{3}$
- D $W = 3\frac{1}{3}$

Answer:

Practice Makes Perfect!

Solve the equation. Check your solution.

1.
$$7k = 77$$

2.
$$\frac{p}{5} = 10$$

3.
$$3 = \frac{m}{12}$$

Check:

Check:

4. 4a = 36

5. $5 \bullet x = 12$

6. $4.2 = \frac{c}{8}$

a = _____

x = ____

c = _____

Check:

Check:

Check:

7) You earn \$5 for every friendship bracelet you sell. Write and solve an equation to find the number of bracelets you have to sell to earn \$85.

Equation: _____

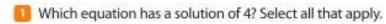
Solution:

8) You practice the piano for 30 minutes each day. Write and solve an equation to find the total time t you spend practicing the piano in a week.

Equation: _____

Solution: _____

Exit Ticket: (Day 5)

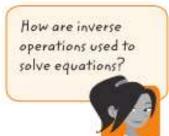


A
$$12x = 3$$

C
$$10 + x = 14$$

B
$$6x = 24$$

D
$$x - 4 = 8$$



Answer:

$$11.6 = \frac{s}{3}$$

Answer:

b.
$$y = 30$$

c.
$$y = 20$$

d.
$$y = 5$$

Answer:

$$\frac{4}{5}n = 8$$

b.
$$n = 6^{1/5}$$

c.
$$n = 7$$

Answer: