

Name: _____

Ms. Napolitano

Date: _____

Activity: 6.2

Topic: Equations

Try Now: (Day 5)

<p style="text-align: center;"><u>Example #1</u></p> <p>Write the expression $8 \times 8 \times 8 \times 8$ as a power (exponential form).</p> <p>Exponential Form: _____</p>	<p style="text-align: center;"><u>Example #2</u></p> <p><i>Describe and correct the error.</i></p> <p style="text-align: center;">$4 \times 4 \times 4 = 3^4$</p> <hr/> <hr/> <hr/>
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Example #3

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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

Solve the equation below.

$$0.3r = 2.1$$

- A $r = 0.7$
- B $r = 1.8$
- C $r = 7$
- D $r = 18$

Answer:

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

$$1.1x = 44$$

- A) $x = 4$
- B) $x = 44$
- C) $x = 4.4$
- d) $x = 40$

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:

5)

Solve for the variable. You MUST show your work.

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

- a. $= 1/4$
- b. $= 60$
- c. $= 3 \frac{3}{4}$
- 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. $3 = \frac{m}{12}$

k = _____

p = _____

m = _____

Check:

Check:

Check:

4. $4a = 36$

5. $5 \cdot x = 12$

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: _____

Topic: Equations

Exit Ticket: (Day 5)

1) Which equation has a solution of 4? Select all that apply.

A $12x = 3$

C $10 + x = 14$

B $6x = 24$

D $x - 4 = 8$

How are inverse operations used to solve equations?



Answer:

2) $11.6 = \frac{s}{3}$

a. 33.9

b. 3.48

c. 34.8

d. 33.5

Answer:

3) Solve for the variable. You MUST show your work.

$$5y = 25$$

a. $y = 125$

b. $y = 30$

c. $y = 20$

d. $y = 5$

Answer:

4) Solve for the variable. You MUST show your work.

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

a. $n = 10$

b. $n = 6 \frac{1}{5}$

c. $n = 7$

d. not enough info available to solve

Answer:

