Thursday, April 4, 2019

- Warm-up
 - Solve the following systems using any method

3d - 6p = 124x + 2y = 10-d + 2p = -42x + y = 4

- How to check your work
- Application problems

Objectives

Content: I will <u>write</u> the **system of equations** to represent a situation, <u>solve</u> and <u>check</u> the solution and <u>write</u> in context. **Social**: I will support my group members as they are processing content.

By Elimination 3d - 6p = 124x + 2y = 10(-d + 2p)v = 4inite solutions hereps time

0=2 never frue no solutions

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By Substitution	
3d - 6p = 12	4x + 2y = 10
-d + 2p = -4	2x + y = 4
3d - 6p = 12 - d + 2p = -4 $+ 6p + 6p - 2p - 2p$	4x+2y=10 $2x+y=4-4x -4x -2x -2x$
$\frac{3d}{3} = 12 + \frac{6p}{3} + \frac{1}{3} = 1 + \frac{1}{3}$	y = 10 - 4x $y = 4 - 2x$
d = 4 + 2p H + 2p = 4 + 2p	y= 5-2x 5-2x= 4-2x Alver
always -2p true = infinite 4=4	$+ \partial x + \partial x (0 + 10)$ 5 = 4 n 0 - 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2
Solution Objectives	

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Social: I will <u>support</u> my group members as they are processing content. Language: I will <u>read</u> questions carefully looking for <u>categories of information</u> and <u>cues</u> for writing equations.



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Brain Break

Objectives

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+

5.7 = 5 7 😳

3.6 = 3.6

5(103)+3(0.15)-5.70

2(1.05) + 10(0.15) - 3.6

(hase -

Sara->

Word Problems

Chase and Sara went to the candy store. Chase bought 5 pieces of fudge and 3 pieces of bubble gum for a total of \$5.70. Sara bought 2 pieces of fudge and 10 pieces of bubble gum for a total of \$3.60. How much is one piece of

(fudge? How much is one piece of bubble gum?

Judge is \$1.05

15 Q15 each.

6

1. QD

Objectives

Coch, bubble gum

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Word Problems

A mixture of nickels and quarters totals \$9.90. There is a total of 50 coins. How many are quarters and how many are nickels?

50 = n + q9.90 = 0.05n + 0.25q

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Word Problems in the Round

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