

## Warm Up Grade 8 April 26, 2017



## SHOW ALL WORK

Distribute and solve using algebra

1) a) 
$$6(x-8) = 24$$
 b)  $-3(x-7) = 9$ 
 $6x - 48 = 24$ 
 $6x - 4848 = 34+48$ 
 $-3x + 21 = 9$ 
 $6x - 4848 = 34+48$ 
 $-3x + 21 = 9$ 

2) Solve using algebra

$$3k - 30 = 57$$

$$3k - 30+30 = 57+30$$

$$3k = 87$$

$$k = 29$$

$$-3(x-7) = 9$$

$$-3x + 21 = 9$$

$$-3x + 21 = 9 - 21$$

$$-3x = -12$$

$$-3x = -12$$

$$-3x = -12$$

$$-3x = -12$$



## Warm Up Grade 8 Similar to test question





Sally has a cell phone that has a monthly charge of \$20 plus an additional \$0.05 for each call or text that is made. If Sally's bill last month was \$80.20, how many call/texts did she make?

i) let x represent #ofcells x represent

iii)

$$0.05x + 20 = 80.20$$

$$0.05x + 20-20 = 80.20-20$$

$$0.05x = 60.20$$

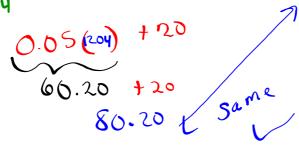
$$\frac{0.05x}{0.05} = \frac{160.20}{0.05}$$

Y) For the Bill to be 80.20 She made 1204 callsortat.

iv) Check

$$0.05 \times +20$$

X= 1204



b) 
$$4(p-6) = 36$$
  
 $4p-24 = 36$   
 $4p-24+24 = 36+24$   
 $4p = 66$   
 $4p = 60$   
 $4p = 60$   
 $4p = 60$   
 $4p = 60$   
 $4p = 60$ 

c) 
$$5(x+2)=25$$
  
 $5(x+2)=25$   
 $5$ 

$$\begin{array}{r} 4) \ 10(48) = 3D \\ 10 + 80 = 3D \\ 10 + 80 - 80 = 30 - 8D \\ 10 = -50 \\ 10 = -50 \\ 10 = -50 \\ 10 = -5 \end{array}$$

b 
$$c = cards$$
 started with  
 $2(c+3) = 20$   
 $2c+6 = 20$   
 $2c+6-6 = 20-6$   
 $2c=14$   
 $2c=14$   
 $2c=14$   
 $2c=14$   
 $2c=14$   
 $2c=14$   
 $2c=7$ 

He started with 7 cords.

7. Discuss.

8.

9 
$$n = price$$
 before reduced  
 $h-5 = reduced$  price  
 $b(n-5) = 90$   
 $6n-30 = 90$   
 $6n-30+30 = 90+30$   
 $6n = 120$   
 $6n = 120$   
 $6n = 120$   
 $6n = 120$   
 $6n = 120$ 

The regular price of the t-shirts was \$20.



pg. 347 # 10, page 350 #1, #2,#3,#4,#7,#9,#10 model only 1c

## Test outline

5 MC

**6** Short Response

#1 Draw tiles and solve an equation

#2 Use Algebra tiles or box method to prove distributive property

#3For each problem, <u>state the variable</u>, <u>write</u> and <u>solve the</u> <u>equation</u> and <u>give a statement</u>. (Like warm up)

#4 Solve Ex) 2(x-3)=16

#5 For each of the following tell whether the pair of expressions is equivalent or not.

#6 (Is it correct if yes then verify if no then redo)

Extra Practice 5 Solve equation usind distritive prop.pdf