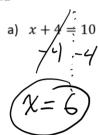
Math 9

Name

Solving Equations by Using Inverse Operations Lesson 6.1

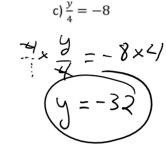
Solving One Step Equations

Ex.1



b)
$$z-3=23$$

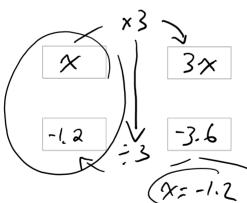
$$2 = 26$$





Ex. 2 - one step word problem using a diagram and algebraically. Verify your solution 1) let x = the number

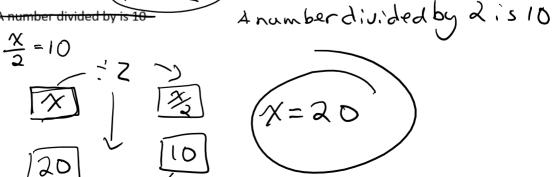
a) Three times a number is -3.6

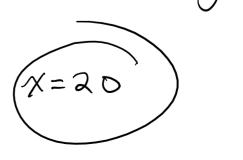


$$\frac{3x = -3.6}{3}$$

$$x = -1.2$$

b) A number divided by is





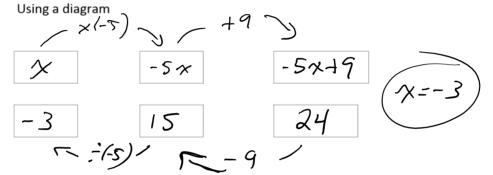
Solving Equations by Using Inverse Operations Lesson 6.1

Solving two or multi-step Equations

These equations will require more than one step to isolate the variable. Isolate the <u>deco</u> with the variable first before you solve.

Ex. 1

a)
$$-5x + 9 = 24$$



Algebraically

$$-5x+9=24$$

$$-5x=15$$

$$-5=-5$$

$$x=-3$$

*Please show your steps 1 *

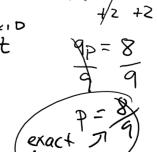
a)
$$0 = 7p - 35$$

 $+35$
 $+35$
 $+35$
 $+35$
 $+35$
 $+35$
 $+35$

$$60 = -3/2$$

$$\frac{60 = -3/2}{-3}$$

$$\frac{-3}{-20} = -3$$



$$\frac{x}{4} + 3 = 8$$
 $\frac{x}{4} + 3 = 8$
 $4 \times \frac{x}{4} = 5 \times 4$
 $(=20)$

$$\frac{3}{3}(-x-4)=-6$$
 $\frac{3}{3}(-x-4)=-3$

5x-12=6 +12 +12	3
$3\chi = 6$	1
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Solving Equations by Using Inv	erse Operations
Lesson 6.1 ASSignme	wt: p.271# Sace, bac, 8-10,
9	(4) (8 50
Ba	snus worksheets when you're finished.

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