

Honework Check

Check your HW from last night, when you turn in your HW on friday will be graded on completion/spot checked for accuracy. <u>If you only copy answers, you will NOT receive credit</u>. Each table may ask <u>ONE</u> question we will go over as a class.

$$1. x = 4$$

$$2.8 = x$$

$$3. n = 3$$

$$4. -6 = c$$

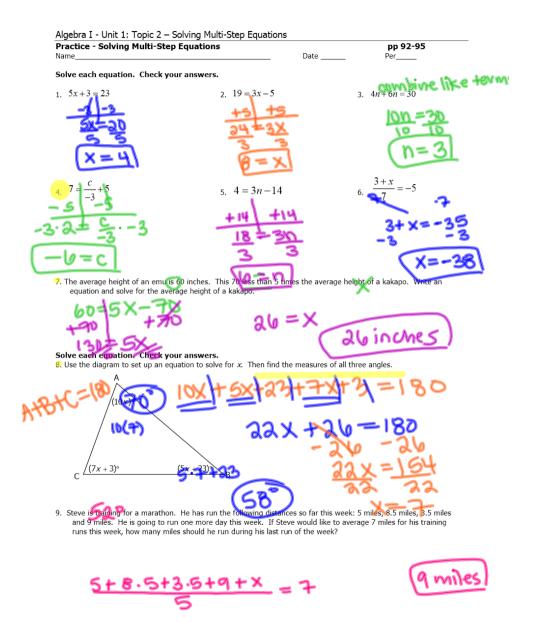
$$5.6 = n$$

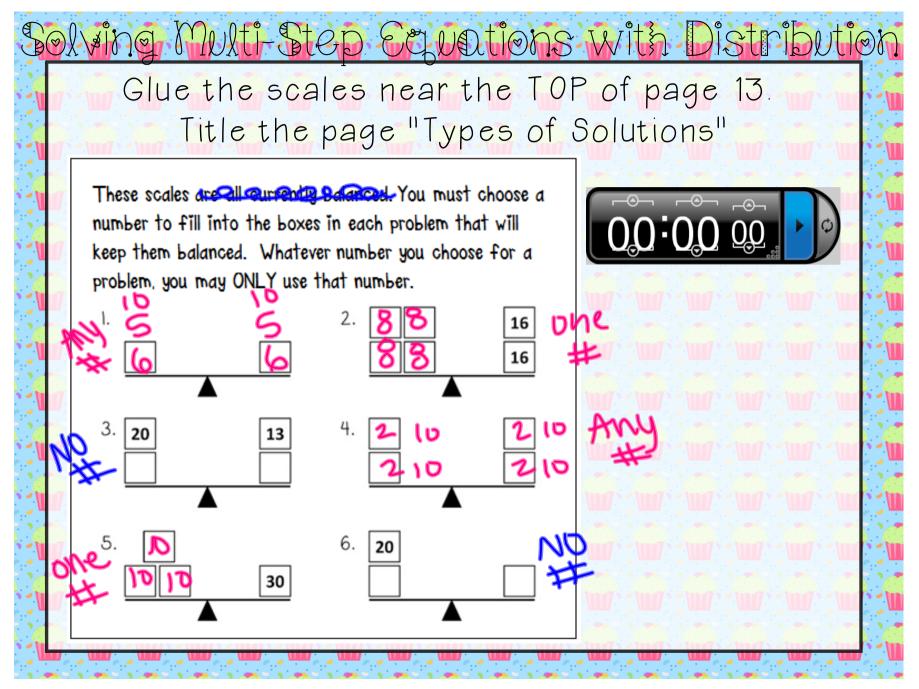
$$6. x = -38$$

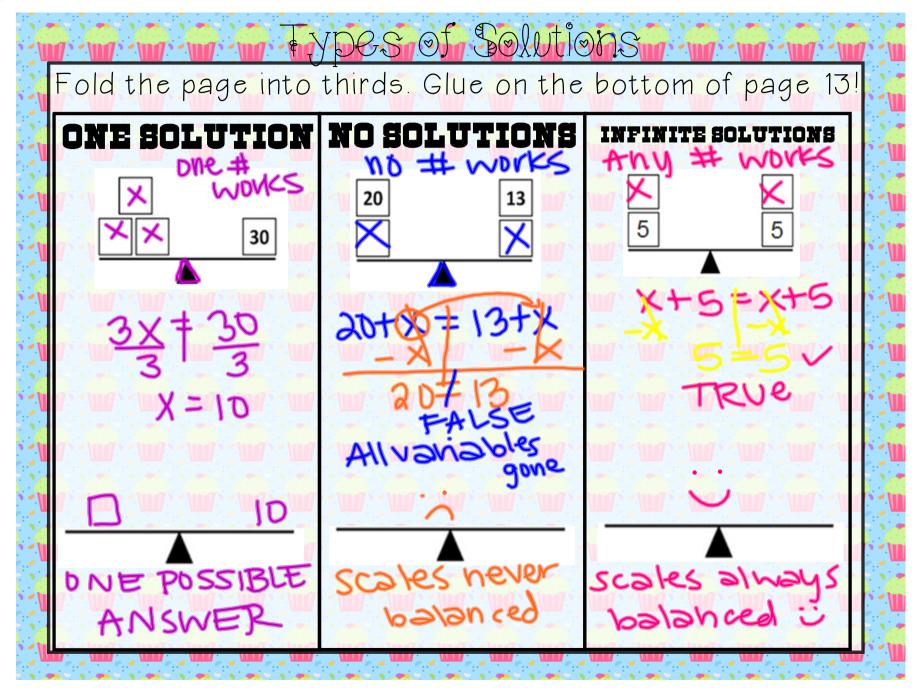
7. 26 inches

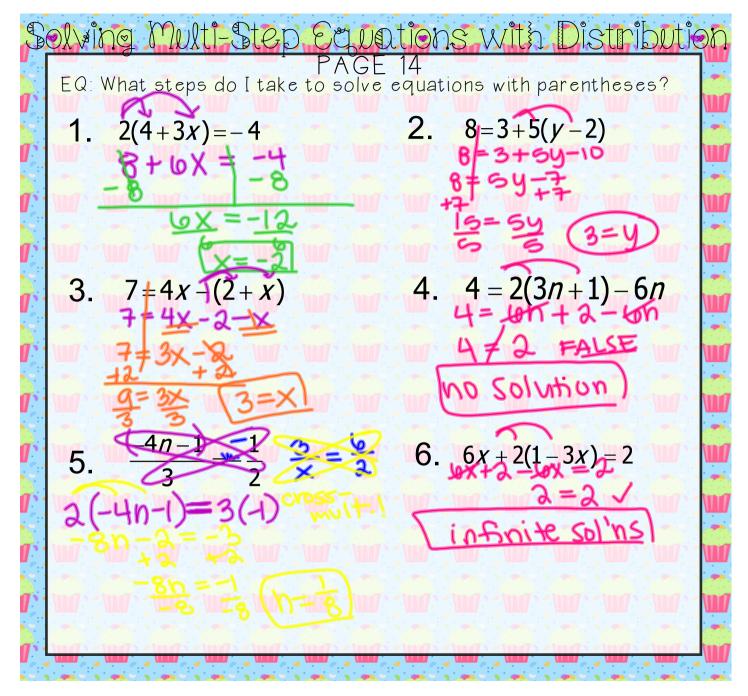
8.
$$x = 7$$
, $$

9.9 miles









Algebra I - Unit 1: Topic 2 - Solving Multi-Step Equations with Distribution

Practice - Solving Multi-Step Equations with Distribution

Name Date Per Solve the following equations, then check your solution.

1.
$$4(x-5)=-8$$

2.
$$3(2y+6)=12$$

3.
$$5(3a-7)-9=46$$

4.
$$4+6(x-3)=-38$$

5.
$$\frac{3}{2} = \frac{12}{3v}$$

6.
$$\frac{6x-2}{4} = \frac{6x-2}{6}$$

Draw a picture, set up an equation, and then solve.

7. The perimeter of a square is 68 feet. If each side is (2x-1) feet, find x.

8. The length of a rectangle is 5 m greater than the width. The perimeter is 150 m. Find the width and length.

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9. The width of a rectangle is 2 cm less than 7 times the length. The perimeter is 60 cm. Find the width and length.

10. Which equation below represents the second step of the solution process?

Step 1
$$6-3(5x+2)-10x=50$$

Step 3
$$-25x = 5$$

Step 4
$$x=-2$$

A
$$6-15x+6-10x=50$$

B
$$6-15x+2-10x=50$$

$$C 6-15x-6-10x=50$$

D
$$3(5x + 2) - 10x = 50$$