

6.EE.B.7—Solving One-Step Equations

Show Work for Solutions:

1. $165 = 11x$

$$\frac{11}{11} = \frac{11x}{11}$$
$$15 = x$$

2. $27 + x = 148.2$

$$\begin{array}{r} -27 \\ 27 + x = 148.2 \\ \hline x = 121.2 \end{array}$$

3. $x - 72 = 183$

$$\begin{array}{r} +72 \\ x - 72 = 183 \\ \hline x = 255 \end{array}$$

4. $7.4x = 458.8$

$$\begin{array}{r} 62.0 \\ 7.4 \overline{) 458.8} \\ \underline{444} \\ 148 \\ \underline{-148} \\ 0 \end{array}$$

5. $\frac{3}{4}x = \frac{5}{6} \left(\frac{4}{3} \right)$

$$1x = \frac{20}{18} = 1 \frac{2}{9} = 1 \frac{1}{9}$$

6.EE.B.8—Solving and Graphing Inequalities

1. Hussein has less than 45 minutes to finish his homework before the basketball game starts. Write an inequality to represent how much time Hussein can use to finish his homework.

Let m = the number of minutes Hussein will use to finish his homework.

$$m < 45$$

2. Mrs. Roberts hires a landscaper. The landscaper says that the total charge for the work Mrs. Perry wants done will be at least \$130.

- a.) Write an inequality to show the possible amounts that the total charge may be

Let y = the total cost in dollars.

$$y \geq 130$$

- b.) Graph the inequality on the number line.

