

Solving for x: Lesson 12

Solving Proportions: Notes

Name: _____



Check diagonals of $\frac{3}{4} = \frac{6}{8}$ $\underline{\quad} \cdot \underline{\quad} =$
 $\underline{\quad} \cdot \underline{\quad} =$

Steps to solving proportions:

1. _____ when we have equal proportions.
2. Do the butterfly! _____ the diagonals and set them = to each other.
3. Solve.

Solve:

$$\frac{5}{x} + 7 = 4$$

$$\frac{5}{x} = -3$$

$$\frac{5+3x}{x} = 6$$

$$\frac{x+4}{3} = \frac{x+1}{2}$$

$$\frac{2x-1}{4x} = \frac{2}{3}$$