5.4 Solving Proportions

Ex: What are 3 different ways to solve this proportion:

$$\frac{5}{7} = \frac{x}{21}$$

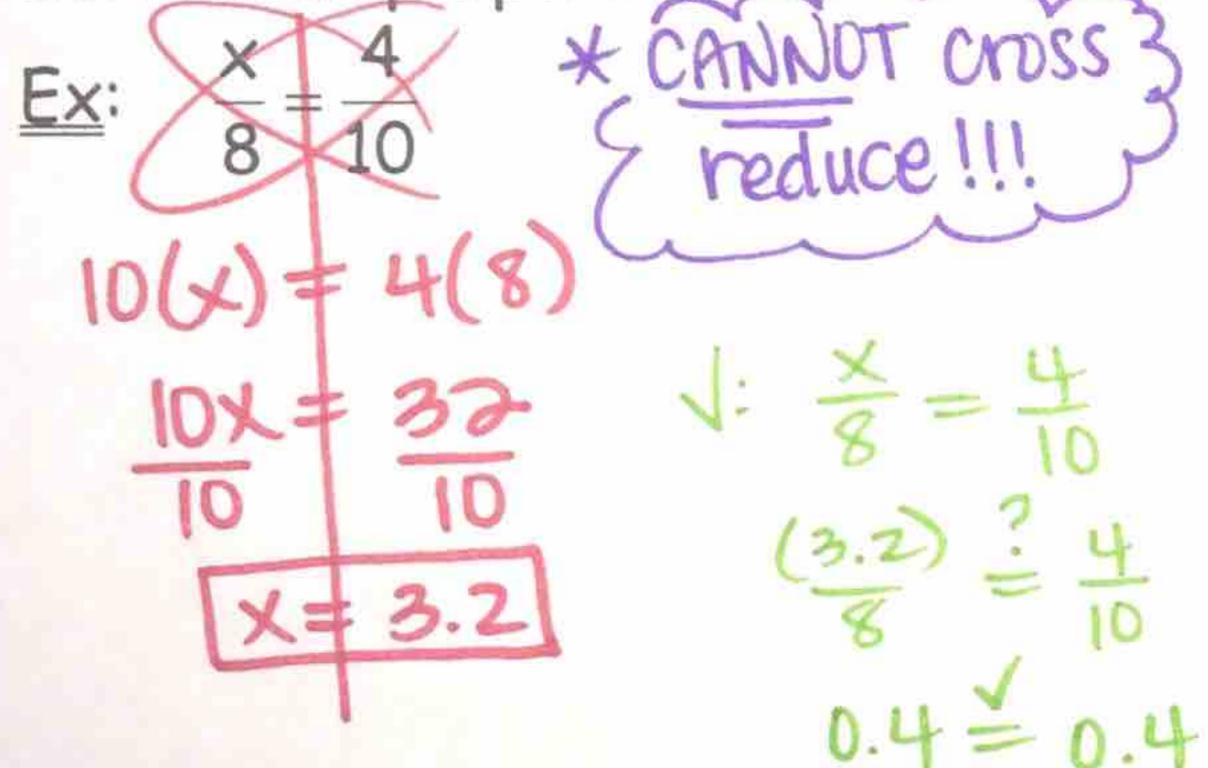
Method 1: Mental Math

Method 2:

Multiplication Property
of Equality

Method 3: Cross Products Property

Solve each proportion



Try These:

Solve the proportions.

(1)
$$\frac{w}{6} = \frac{6}{9}$$
 * can reduce (2) $\frac{12}{10} = \frac{a}{15}$
W=4 * cannot cross reduce!

$$(3) \frac{y}{6} = \frac{2}{4}$$

* can reduce

= first

 $(4) \frac{2}{7} = \frac{x}{28} + cannot$ onoss reduce!

9=18

(6)
$$\frac{40}{z+1} = \frac{15}{6}$$

2=15

* can reduce 15 first