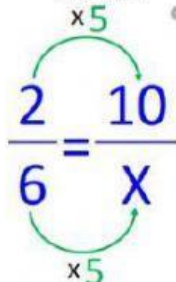


Solving Proportions

Last Name: _____ First name: _____ Period: _____

Video Link: <https://youtu.be/USmit5zUGas>

Method I – works every time	Method II
 Cross-Multiply ↓ $(x)(3) = (2)(9)$ $\frac{3x}{3} = \frac{18}{3}$ $x = 6$ Set the cross-products equal to each other. Simplify. Divide both sides by 3 to get x by itself.	 $\frac{2}{6} = \frac{10}{x}$

Use cross multiplication to solve the following proportions.

1. $\frac{x}{6} = \frac{15}{18}$

2. $\frac{x}{3} = \frac{16}{24}$

3. $\frac{3}{5} = \frac{x}{15}$

4. $\frac{x}{6} = \frac{2}{12}$

5. $\frac{x}{5} = \frac{16}{20}$

6. $\frac{1}{2} = \frac{x}{8}$

7. $\frac{x}{8} = \frac{10}{16}$

8. $\frac{x}{2} = \frac{4}{8}$

9. $\frac{x}{4} = \frac{9}{12}$

10. $\frac{1}{3} = \frac{x}{3}$

11. $\frac{x}{2} = \frac{4}{8}$

12. $\frac{x}{2} = \frac{10}{20}$