

Solving Proportions Algebraically #3

Name:

Date:

Period:

Use the proportion to write an equation. Solve for the variable. Show all steps. "Circle" your answer.

1. $\frac{x}{18} = \frac{2}{6}$

2. $\frac{8}{20} = \frac{x}{5}$

3. $\frac{x}{30} = \frac{7}{10}$

4. $\frac{8}{28} = \frac{x}{70}$

5. $\frac{x}{4} = \frac{35}{140}$

6. $\frac{15}{30} = \frac{20}{x}$

7. $\frac{6}{x} = \frac{42}{35}$

8. $\frac{7}{4} = \frac{35}{x}$

9. $\frac{x}{40} = \frac{27}{108}$

$$10. \frac{2}{x} = \frac{14}{49}$$

$$11. \frac{5}{4} = \frac{x}{2}$$

$$12. \frac{20}{3} = \frac{5}{x}$$

$$13. \frac{7}{4} = \frac{x}{6}$$

$$14. \frac{15}{x} = \frac{10}{5}$$

$$15. \frac{12}{5} = \frac{9}{x}$$

$$16. \frac{5}{4} = \frac{x}{10}$$

$$17. \frac{25}{30} = \frac{6}{x}$$

$$18. \frac{15}{4} = \frac{x}{5}$$