

Name: _____

Date: _____

Basic Skills
Solving Proportions and Formulas

Solve the proportion.

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

2. $\frac{4}{t} = \frac{6}{8}$

3. $\frac{6}{3} = \frac{2}{x}$

4. $\frac{7}{y} = \frac{4}{5}$

5. $\frac{3}{2x} = \frac{5}{x+1}$

6. $\frac{8}{t+3} = \frac{1}{t}$

Solve the formula for the given variable.

7. Perimeter of a Square

Solve for s: $P = 4s$

8. Simple Interest

Solve for P: $I = Prt$

9. Area of a Kite

Solve for d_2 : $A = \frac{1}{2}d_1d_2$

10. Surface Area of a Right Prism

Solve for B: $S = 2B + Ph$

11. Volume of a Cylinder

Solve for r: $V = \pi r^2h$

12. *Solve for y:* $x - y = 4$

13. *Solve for y:* $x + 2y = -3$