

Solving Proportions**Solve each proportion. Leave your answer as a fraction in simplest form.**

1) $\frac{6}{2} = \frac{4}{p}$

2) $\frac{4}{k} = \frac{8}{2}$

3) $\frac{n}{4} = \frac{8}{7}$

4) $\frac{5}{3} = \frac{x}{4}$

5) $\frac{m}{5} = \frac{7}{2}$

6) $\frac{7}{4} = \frac{r}{5}$

7) $\frac{7}{6} = \frac{5}{x}$

8) $\frac{6}{5} = \frac{2}{5n}$

Solve each proportion. Round your answers to the nearest hundredth.

9) $\frac{7.7}{3.6} = \frac{2.3}{b}$

10) $\frac{v}{4.9} = \frac{5.4}{6.1}$

11) $\frac{6.3}{x} = \frac{2.56}{9.3}$

12) $\frac{3.4}{x} = \frac{2.17}{7.7}$

Solve each proportion. Leave your answer as a fraction in simplest form.

$$13) \frac{9}{8} = \frac{k+6}{6}$$

$$14) \frac{2}{10} = \frac{4}{a-3}$$

$$15) \frac{10}{p+2} = \frac{4}{3}$$

$$16) \frac{4}{6} = \frac{8}{x-1}$$

$$17) \frac{m}{8} = \frac{m+7}{9}$$

$$18) \frac{n}{n+1} = \frac{3}{5}$$

$$19) \frac{9}{4} = \frac{r-10}{r}$$

$$20) \frac{x+6}{x} = \frac{10}{7}$$

$$21) \frac{n-9}{n+5} = \frac{7}{4}$$

$$22) \frac{6}{b+9} = \frac{4}{b+5}$$

$$23) \frac{8}{3} = \frac{v-9}{7v+4}$$

$$24) \frac{8}{5x-4} = \frac{6}{x+5}$$

Critical thinking questions:

25) Do you think that a person's age and the amount they eat each day are basically in proportion?

26) Find one solution to:

$$\frac{x}{4} = \frac{7}{y}$$