

Solving Proportions

Solve each proportion.

1) $\frac{10}{a-8} = \frac{8}{7}$

$$8(a-8) = 70$$

$$8a - 64 = 70$$

$$8a = 134$$

$$a = 16.75$$

2) $\frac{6}{v+2} = \frac{5}{2}$

3) $\frac{7}{x-5} = \frac{5}{3}$

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

5) $\frac{3}{4} = \frac{x-6}{6}$

6) $\frac{5}{k+1} = \frac{4}{3}$

7) $\frac{x-1}{7} = \frac{8}{5}$

8) $\frac{p-3}{7} = \frac{10}{9}$

9) $\frac{4}{7} = \frac{m+5}{4}$

10) $\frac{n+2}{8} = \frac{10}{9}$

11) $\frac{x+5}{3} = \frac{4}{6}$

12) $\frac{2}{9} = \frac{10}{n+3}$