

## Fractions: Equations with fractions

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Find the unknown factor of the fraction.

Example 1:

$$\frac{3}{16} = \frac{x}{48} \qquad \frac{3}{16} = \frac{3 \times 3}{16 \times 3} = \frac{9}{48} \qquad x = 9$$

a)  $\frac{1}{2} = \frac{x}{8}$

b)  $\frac{x}{3} = \frac{6}{9}$

c)  $\frac{2}{4} = \frac{x}{32}$

d)  $\frac{3}{x} = \frac{12}{16}$

e)  $\frac{3}{5} = \frac{12}{x}$

f)  $\frac{6}{x} = \frac{30}{40}$

g)  $2 = \frac{8}{x}$

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

i)  $\frac{5}{x} = \frac{25}{75}$

j)  $x = \frac{16}{4}$

k)  $5 = \frac{20}{x}$

l)  $6 = \frac{x}{30}$