Fractions: Equations with fractions

Find the unknown factor of the fraction.

Example 1:

$$\frac{x}{2} = \frac{3}{7} \qquad x = \frac{3 \times 2}{7} = \frac{6}{7}$$

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

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

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

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

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

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

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

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

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

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

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

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