

Proportional Reasoning Worksheet

1. Solve for x .

(a) $\frac{3}{8} = \frac{x}{168}$

(b) $\frac{x}{13} = \frac{7}{91}$

(c) $\frac{x}{7} = \frac{30}{105}$

(d) $\frac{408}{x} = \frac{4}{9}$

2. Solve the following proportions to one decimal place.

(a) $\frac{5}{6} = \frac{12}{x}$

(b) $\frac{7}{15} = \frac{9}{k}$

(c) $\frac{1.2}{4.9} = \frac{m}{7.3}$

(d) $\frac{p}{85} = \frac{76}{39}$

3. The ratio of Tom's age to Mary's is 3:4. If Tom is 15, how old is Mary?

4. If Georgina travels 355 km in 7 hours, how far will she travel in 8.5 hours at the same rate?

Answers:

1. a) 63 b) 1 c) 2 d) 918 2. a) 14.4 b) 19.3 c) 1.8 d) 165.6 3. 20 years old 4. 431 km