

RATIO & PROPORTION 3

1. Write as ratios:

a. 35 days to 6 weeks

b. 5 mm to 7 mm

2. Reduce these ratios to lowest terms:

a. $\frac{82}{98}$

b. 8:24:72

c. 72:36

3. State whether the following form proportions:

a. 7:8 and 17:19

b. $\frac{8.5}{17}$ and $\frac{3}{6}$

4. Find the value of the variable in the following proportions:

a. $7:8 = x:112$

b. $\frac{5}{c} = \frac{22.5}{18}$

c. $\frac{2}{5} = \frac{12}{d}$

d. $3.1:9.3 = 4.2:d$

e. $6:8 = 48:y$

5. In a recipe, the ratio of milk to flour is 5 to 12. If 3 cups of milk are needed, how many cups of flour are also used?

ANSWER KEY

1. a. $\frac{35}{42}$ b. $\frac{5}{7}$

2. a. $\frac{41}{49}$ b. 1:3:9 c. 2:1

3. a. no b. yes

4. a. 98 b. 4 c. 30 d. 12.6 e. 64

5. 7.2 cups of flour

Source: Government of BC used with permission.