

Name: Class:

Write Equivalent ratios

1. Solve the unknown values using equivalent ratios.

$90 : \boxed{x} = 10 : 7$

2. Solve the unknown values below by using equivalent ratios. Tick the most correct answer.

a. $40 : 200 = \underline{\hspace{2cm}} : 5$

1

4 ; 5

$\frac{100}{25}$

b. $9 : 27 = 3 : \underline{\hspace{2cm}}$

$\frac{9}{24}$

9

$\frac{3}{8}$

c. $\underline{\hspace{2cm}} : 66 = 11 : 6$

605

$\frac{605}{5}$

121

d. $8 : \underline{\hspace{2cm}} = 16 : 20$

80

$\frac{80}{8}$

10

e. $8 : 1 = 16 : \underline{\hspace{2cm}}$

$\frac{12}{1}$

$\frac{12}{6}$

2

f. $25 : 5 = \underline{\hspace{2cm}} : 1$

$\frac{10}{5}$

5

50

h. $6 : 9 = \underline{\hspace{2cm}} : 3$

2

$\frac{6}{3}$

$\frac{6}{9}$

g. $\underline{\hspace{2cm}} : 2 = 20 : 4$

$\frac{20}{2}$

10

10

Name: Class:

Write Equivalent ratios

Solve the unknown values using equivalent ratios.

1. $90 : \boxed{x} = 10 : 7$

Write each ratio in its fractional form.

$90 : \boxed{x} = \frac{90}{x}$ $10 : 7 = \frac{10}{7}$

Equate the ratios to each other.

$\frac{90}{x} = \frac{10}{7}$ Cross multiply to solve for x.
 $= (90) \times (7) = (10) \times (x)$

$630 = 10x$ Solve by dividing both figures by 10.

$630 = 10x = \frac{630}{10} = \frac{10x}{10}$

$x = 63$

Solution $90 : 63 = 10 : 7$

2. Solve the unknown values below by using equivalent ratios. Tick the most correct answer.

a. $40 : 200 = \underline{\hspace{2cm}} : 5$

- 1 4 ; 5 $\frac{100}{25}$

e. $8 : 1 = 16 : \underline{\hspace{2cm}}$

- $\frac{12}{1}$ $\frac{12}{6}$ 2

b. $9 : 27 = 3 : \underline{\hspace{2cm}}$

- $\frac{9}{24}$ 9 $\frac{3}{8}$

f. $25 : 5 = \underline{\hspace{2cm}} : 1$

- $\frac{10}{5}$ 5 50

c. $\underline{\hspace{2cm}} : 66 = 11 : 6$

- 605 $\frac{605}{5}$ 121

h. $6 : 9 = \underline{\hspace{2cm}} : 3$

- 2 $\frac{6}{3}$ $\frac{6}{9}$

d. $8 : \underline{\hspace{2cm}} = 16 : 20$

- 80 $\frac{80}{8}$ 10

g. $\underline{\hspace{2cm}} : 2 = 20 : 4$

- $\frac{20}{2}$ 10 20