

7 Complete each pair of equivalent ratios.

a $1:3 = 4:\square$

b $1:7 = 2:\square$

c $2:5 = \square:10$

d $3:7 = \square:21$

e $5:10 = 1:\square$

f $12:16 = 3:\square$

g $12:18 = \square:3$

h $20:50 = \square:25$

i $4:7 = 44:\square$

j $14:17 = 42:\square$

k $27:6 = \square:2$

l $121:66 = \square:6$

8 Complete each pair of equivalent ratios.

a $2:3:5 = 4:\square:\square$

b $4:12:16 = \square:6:\square$

c $1:7:9 = \square:\square:63$

d $22:110:66 = 11:\square:\square$

QUESTION 1 Express the following ratios in simplest form.

a $3:6$

b $5:5$

c $6:18$

d $4:12$

= _____

= _____

= _____

= _____

e $3:15$

f $2:8$

g $2:12$

h $2:10$

= _____

= _____

= _____

= _____

i $8:64$

j $4:16$

k $9:27$

l $12:48$

= _____

= _____

= _____

= _____

QUESTION 2 Express as a ratio in its simplest form.

a $10:20:30$

b $\frac{1}{2}:\frac{1}{4}$

c $2\frac{1}{2}:2$

d $\frac{1}{4}:\frac{3}{4}$

e $1\frac{1}{2}:1$

f $2:\frac{2}{5}$

g $\frac{1}{7}:\frac{5}{7}$

h $\frac{3}{11}:\frac{7}{11}$

i $0.2:0.3$

j $1.5:2$

k $1:\frac{1}{4}$

l $1.2:2.4$

QUESTION 3 Simplify the following ratios.

a \$4 : \$12

b 30 cents : \$6

c 10 hours : 1 day

d 400 g : 1 kg

e 50 cents : 90 cents

f 3 days : 3 weeks

g 12 cm : 1 metre

h 20 seconds : 1 min

i 2 kg : 800 g

j 400 mL : 1 L

k 3 km : 600 m

l 8 cm : 60 mm

m 60 cm : $1\frac{1}{2}$ m

n 500 g : 3 kg

o 30 min : 2 h

p 1 h : 40 min