

1. Simplify these ratios.

a 4:2

b 8:6

c 8:12

d 5:15

e 16:24

f 18:27

g 30:72

h 33:6

i 21:56

j 35:21

k 21:28:35

l 49:63:14

2. Each pair of ratios is equivalent. Work out the values of the letters.

a $1:2 = 3:x$

b $7:21 = p:42$

c $2:5 = n:25$

d $15:y = 45:18$

e $a:9 = 40:72$

f $6:18 = 5:b$

g $1:2:3 = 5:m:n$

h $3:5:6 = p:30:q$

i $d:3:7 = 16:12:e$

3. A model car is made to a scale of 1 : 50.

a The model has a length of 10 cm.
Calculate the length of the real car.
Give your answer in metres.

b The real car has a height of 1.75 m.
Calculate the height of the model car.

