

1) Write the following ratios in their simplest form:

- a) 6 : 9
- b) 10 : 5
- c) 7 : 21
- d) 4 : 24
- e) 12 : 40
- f) 4 : 2 : 8
- g) 18 : 63 : 9

2) Write the missing value in these equivalent ratios:

- a)  $3 : 5 = 12 : \square$
- b)  $4 : 9 = \square : 27$
- c)  $\square : 7 = 16 : 14$

3) The ratio of girls to boys in a class is 4 : 5.

What fraction of the class are girls?

4) A model of a plane is made using a scale of 1 : 5.

- a) If the real length of the plane is 20 m, what is the length of the model?
- b) If the wings of the model are 1.2 m long, what is the actual length of the wings on the plane?