

# Divide a quantity in a ratio

Maths

Mrs Dennett



# Divide a quantity in a ratio

1. Share £240 into each of these ratios.

a) 5 : 1

b) 2 : 3

c) 2 : 5 : 1

2. A fruit juice is made with strawberry and apple juice in the ratio of 1 : 5

Harry wants to make 300 ml of the juice.

How much of each flavour juice does he need?



## Divide a quantity in a ratio

3. Mark shades in a hundred square grid. The ratio of red to blue squares is  $9 : 11$

He shades in the whole grid red or blue.

a) How many of each colour squares are there?

b) How many more blue squares are there than red?

4. The ratio of dancers to singers in a theatre show is  $7 : 2$

There are 63 people in the show.

How many dancers are in the show?

5. The perimeter of a rectangle is 32 centimetres. The ratio of the width to the length is  $3 : 5$

What is the area of the rectangle?



# Answers



# Divide a quantity in a ratio

1. Share £240 into each of these ratios.

a) 5 : 1      £200 : £40

b) 2 : 3      £96 : £144

c) 2 : 5 : 1      £60 : £150 : £30

2. A fruit juice is made with strawberry and apple juice in the ratio of 1 : 5

Harry wants to make 300 ml of the juice.

How much of each flavour juice does he need?

50 ml strawberry  
250 ml apple



## Divide a quantity in a ratio

3. Mark shades in a hundred square grid. The ratio of red to blue squares is 9 : 11

He shades in the whole grid red or blue.

a) How many of each colour squares are there?

45 red and 55 blue

b) How many more blue squares are there than red? 10

4. The ratio of dancers to singers in a theatre show is 7 : 2

There are 63 people in the show.

How many dancers are in the show?

49

5. The perimeter of a rectangle is 32 centimetres. The ratio of the width to the length is 3 : 5

What is the area of the rectangle?

60 cm<sup>2</sup>

