

- 1 In a bag there are blue sweets and red sweets. The ratio of blue sweets to red sweets is 5:3
What fraction of the sweets are blue?

(2 marks)

- 2 In a bag there are blue sweets and red sweets. The ratio of blue sweets to red sweets is 2:7
What fraction of the sweets are red?

(2 marks)

- 3 In a bag there are blue sweets and red sweets. The ratio of blue sweets to red sweets is 4:9
What fraction of the sweets are blue?

(2 marks)

- 4 In a bag there are blue sweets, red sweets and green sweets.
The ratio of blue sweets to red sweets to green sweets is 5:3:2
What fraction of the sweets are green?

(2 marks)

- 5 In a bag there are blue sweets, red sweets and green sweets.
The ratio of blue sweets to red sweets to green sweets is 2:4:5
What fraction of the sweets are red?

(2 marks)

- 6 In a bag there are blue sweets, red sweets and green sweets.
The ratio of blue sweets to red sweets to green sweets is 6:9:4
What fraction of the sweets are blue?

(2 marks)

- 7 In a bag there are only red sweets and yellow sweets. $\frac{2}{3}$ of the sweets are red.
Write down the ratio of red sweets to yellow sweets?

(2 marks)

- 8 In a bag there are only red sweets and yellow sweets. $\frac{3}{5}$ of the sweets are red
Write down the ratio of red sweets to yellow sweets?

(2 marks)

- 9 In a bag there are only blue sweets and green sweets. $\frac{5}{6}$ of the sweets are green.
Write down the ratio of blue sweets to green sweets?

(2 marks)

- 10 An artist is making orange paint by mixing red paint (x ml) and yellow paint (y ml) in the ratio 8:11

(a) Use this information to draw a graph showing the relationship between the amount of red paint and the amount of yellow paint used. (2)

(b) The artist decides to use 50ml of yellow paint. Use your graph to work out how much red paint he should use. (2)

(4 marks)

- 11 A baker makes bread using the ratio of flour (y cups) to water (x cups) of 5:3.

(a) Use this information to draw a graph showing the relationship between the amount of flour and the amount water used to make bread. (2)

(b) The baker is going to use 30 cups of flour. Use your graph to work out how much water the baker should use. (2)

(4 marks)

- 12 In a cinema the ratio of adults to children is 3:1
The ratio of boys to girls is 3:2
What fraction of all the people in the cinema are girls?

(3 marks)

- 13 On a school trip the ratio of staff to students is 1:10
All of the students are from either year 7 or year 8. The ratio of year 7 students to year 8 students is 3:2
What fraction of all the people on the trip are year 7 students?

(4 marks)

- 14 In a theatre the ratio of adults to children is 7:3
The ratio of boys to girls is 3:2
What percentage of all the people in the cinema are girls?

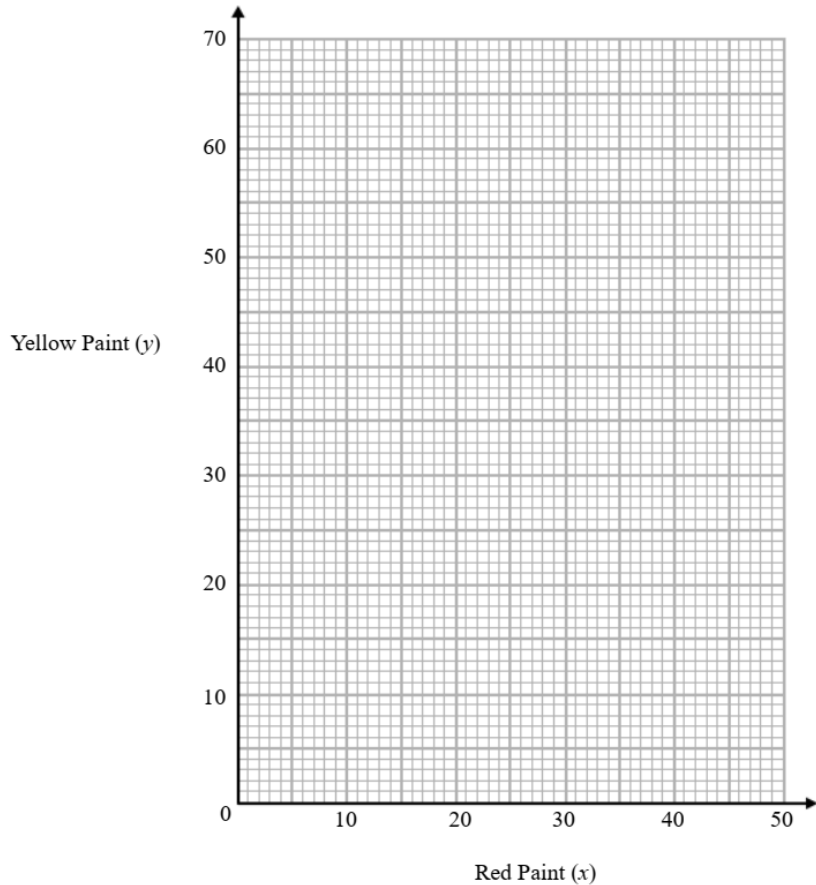
(3 marks)

- 15 In a company the ratio of men to women is 2:3
30% of the women are under the age of 30.
What fraction of all the people in the company are women under the age of 30?

(3 marks)

10 An artist is making orange paint by mixing red paint (x ml) and yellow paint (y ml) in the ratio 8:11

(a) Use this information to draw a graph showing the relationship between the amount of red paint and the amount of yellow paint used.

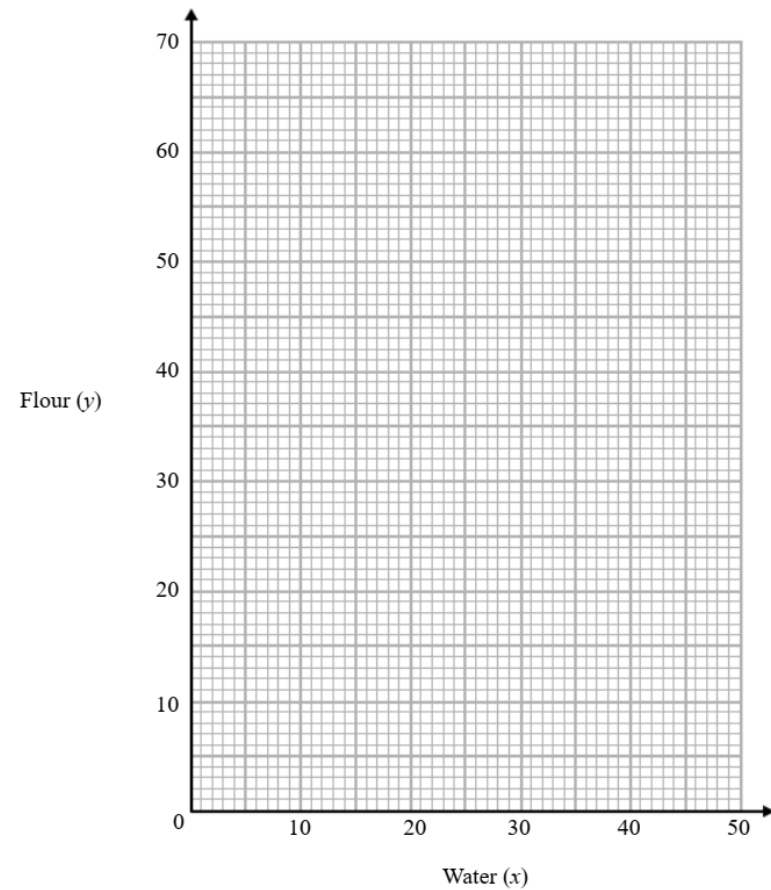


(b) The artist decides to use 50ml of yellow paint. Use your graph to work out how much red paint he should use.

(2)

11 An baker makes bread using the ratio of flour (y cups) to water (x cups) of 5:3.

(a) Use this information to draw a graph showing the relationship between the amount of flour and the amount water used to make bread.



(b) The baker is going to use 30 cups of flour. Use your graph to work out how much water the baker should use.

(2)