

Q1 June 2017

5 A path is made of white tiles and grey tiles.

$\frac{1}{4}$ of the tiles are white.

(a) Write down the ratio of white tiles to grey tiles.

.....
(1)

There is a total of 56 tiles.

(b) Work out the number of grey tiles.

.....
(2)

.....
(Total for Question 5 is 3 marks)

Q2 June 2019

12 Ali, Ben and Cathy share an amount of money in the ratio 6 : 9 : 10

What fraction of the money does Ben get?

.....
(Total for Question 12 is 2 marks)

Q3 June 2022

24 Rick, Selma and Tony are playing a game with counters.

Rick has some counters.

Selma has twice as many counters as Rick.

Tony has 6 counters less than Selma.

In total they have 54 counters.

the number of counters Rick has : the number of counters Tony has = $1 : p$

Work out the value of p .

$p = \dots\dots\dots$

(Total for Question 24 is 5 marks)

Q4 June 2023

15 There are only red beads and green beads in a bag.

number of red beads : number of green beads = 1 : 4

There are 35 red beads in the bag.

Work out the total number of beads in the bag.

(Total for Question 15 is 2 marks)

Q5 Nov 2017

15 The ratio of the cost of one metre of cotton fabric to the cost of one metre of silk fabric is 2 : 5

Complete the table of costs.

	2 m	6 m	8 m	9 m
cotton fabric	£6			
silk fabric				

(Total for Question 15 is 3 marks)

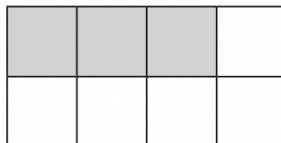
Q6 Nov 2018

- 16** Write down the ratio of 450 grams to 15 grams.
Give your answer in its simplest form.

(Total for Question 16 is 2 marks)

Q7 Nov 2019

- 6** Here is a grid of squares.



Write down the ratio of the number of shaded squares to the number of unshaded squares.

(Total for Question 6 is 1 mark)

Q8 Nov 2021

13 In the Northern hemisphere the ratio of the area of land to the area of water is 2 : 3

(a) Work out what percentage of the area of the Northern hemisphere is land.

.....%

(2)

20% of the area of the Southern hemisphere is land.

(b) Work out the ratio of the area of land to the area of water in the Southern hemisphere.

.....
(2)

(Total for Question 13 is 4 marks)

12 Amol, Gemma and Harry each have a number of sweets.

The number of sweets that Gemma has is 6 times the number of sweets that Amol has.

The number of sweets that Harry has is half the number of sweets that Gemma has.

Write down the ratio

the number of sweets : the number of sweets : the number of sweets
that Amol has : that Gemma has : that Harry has

(Total for Question 12 is 2 marks)

Q10 Nov 2022

22 Rob has been asked to divide 120 in the ratio 3 : 5

Here is his working.

$$120 \div 3 = 40$$

$$120 \div 5 = 24$$

Rob's working is not correct.

Describe what Rob has done wrong.

(Total for Question 22 is 1 mark)

Q11 Nov 2023

11 There are only red counters, blue counters and green counters in a bag.

number of red counters : number of blue counters : number of green counters = 2 : 16 : 7

What fraction of the counters in the bag are green counters?

(Total for Question 11 is 2 marks)
