WRITING AND SIMPLIFYING RATIO

Pearson Edexcel - Thursday 6 June 2019 - Paper 2 (Calculator) Foundation Tier

1.

14 Write the ratio $4.5 : 2.25$ in the form $n : 1$

....

(Total for Question 14 is 1 mark)

Pearson Edexcel - Tuesday 6 November 2018 - Paper 1 (Non-Calculator) Foundation Tier

2.

13 Azmol, Ryan and Kim each played a game.

Azmol's score was four times Ryan's score.
Kim's score was half of Azmol's score.

Write down the ratio of Azmol's score to Ryan's score to Kim's score.

....

(Total for Question 13 is 2 marks)

Pearson Edexcel - Monday 12 November 2018 - Paper 3 (Calculator) Foundation Tier

3.

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)

Pearson Edexcel - Thursday 24 May 2018 - Paper 1 (Non-Calculator) Foundation Tier

4.

17 There are some chocolates in a box.

    $\frac{1}{4}$ of the chocolates contain nuts.

    The rest of the chocolates do not contain nuts.

    Write down the ratio of the number of chocolates that contain nuts to the number of
    chocolates that do not contain nuts.
    Give your answer in the form $1 : n$

    ....

    (Total for Question 17 is 2 marks)

5.

11 The table shows a cricket club's income in 2016 from a fete, a quiz and membership fees.

	Income	
Fete	£250	
Quiz	Entry fees	13 at £5 each
	Refreshments	£35
Membership fees	25 at £20 each	

Express as a ratio

the income from the fete to the income from the quiz to the income from membership fees.

Give your ratio in its simplest form.

....

(Total for Question 11 is 3 marks)

Pearson Edexcel – Specimen 2 - Paper 3 (Calculator) Foundation Tier

6.

15 There are 35 pens in a box.
15 of the pens are green.
The rest of the pens are red.

(a) What fraction of the pens in the box are red?

....

(1)

(b) Write down the ratio of the number of green pens to the number of red pens.
Give your ratio in its simplest form.

....

(2)

(Total for Question 15 is 3 marks)

Pearson Edexcel – Specimen 1 - Paper 1 (Non-Calculator) Foundation Tier

7.

12 There are 28 red pens and 84 black pens in a bag.

Write down the ratio of the number of red pens to the number of black pens.
Give your ratio in its simplest form.

....

(Total for Question 12 is 2 marks)

Pearson Edexcel – Specimen 1 - Paper 3 (Calculator) Foundation Tier

8.

18 In a breakfast cereal, 40% of the weight is fruit.
The rest of the cereal is oats.

(a) Write down the ratio of the weight of fruit to the weight of oats.
Give your answer in the form $1 : n$.

....
(2)

A different breakfast cereal is made using only fruit and bran.
The ratio of the weight of fruit to the weight of bran is $1 : 3$

(b) What fraction of the weight of this cereal is bran?

....
(1)

(Total for Question 18 is 3 marks)

OCR Thursday 05 November 2020- Morning (Non-Calculator) Foundation Tier

9.

9 Write each of the following ratios in their simplest form.

(a) 12 : 15

(a) .... : .... **[1]**

(b) 600 g : 1.8 kg

(b) .... : .... **[3]**

10.

14 **(a)** Write each of the following ratios in their simplest form.

(i) 8 : 10

(a)(i) .... : .... **[1]**

(ii) 300 ml : 2.1 litres

(ii) .... : .... **[3]**

(b) The ratio $\sin 30° : \tan 45°$ can be written in the form 1 : n.

Find the value of n.

(b) $n =$ .... **[3]**

11.

2   **(a)** Write 6:14 as a ratio in its simplest form.

        (a) .... : .... **[1]**

     (b) The ratio 20:50 can be written in the form 1:n.

        Find the value of n.

        (b) $n =$ .... **[2]**

12.

5 **(a)** Write 3 : 57 as a ratio in its simplest form.

(a) .... : .... [1]

(b) Bob and Chris share some money in the ratio 2 : 3.
Bob receives £8.

Work out how much Chris receives.

(b) £ .... [2]

13.

18 A box contains only red, blue and green pens.
The ratio of red pens to blue pens is 5 : 9.
The ratio of blue pens to green pens is 1 : 4.

Calculate the percentage of pens that are blue.

.... % **[4]**