

OCR GCSE Mathematics Non-Calculator 2021 Foundation Paper 2 Revision Worksheet

5. (a) Work out: $4 + 16/2$

(b) Insert one pair of brackets to make the calculation correct: $5 \times 7 + 1 \div 9 = 4$

6. In a quiz, Darcy answered 16 of the 20 questions correctly.

(a) What fraction of the questions did Darcy answer correctly? Give your fraction in its lowest terms.

(b) Write the fraction as a decimal.

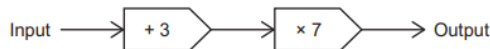
7. (a) Write $\frac{13}{3}$ as a mixed number.

(b) Work out:

(i) $\frac{1}{3} + \frac{4}{9}$

(ii) $3 \div \frac{1}{3}$

8. Here is a function:



(a) Find the output when the input is 2.

(b) Find the input when the output is 63.

9. A shopper buys 4 apples costing 60p each and 3 peaches.

They pay with a £5 note and receive 44p in change.

Each peach costs the same amount.

Work out the cost of one peach. **You must show your working.**

10. Ben and Sundip are making pancakes using the ingredients below.

Ingredients to make 12 pancakes:

75 ml water 200 ml milk 100 g flour 50 g butter 2 eggs

(a) The ratio of the amount of water to the amount of milk needed is 75 : 200. Write this ratio in its simplest form.

(b) Ben makes 18 pancakes. Work out how much flour he needs.

(c) Sundip has 225 g of butter and 10 eggs. She has plenty of the other ingredients. Work out the maximum number of pancakes that she can make.

11. Ali (A), Blake (B), Rowan (R) and Sam (S) are in a relay team. Sam always runs fourth in the team. The order for the other three is chosen at random.
- (a) Complete this table to show all the possible orders for the team. The first row has been completed for you. You may not need to use all the rows.

First	Second	Third	Fourth
A	B	R	S

- (b) Find the probability that Ali will run first.
12. The shape below is formed by a rectangle of width 4 cm and a regular pentagon. For the rectangle, the ratio of the width to the length is 2 : 5.
- Work out the perimeter of the shape.

