

AQA GCSE Mathematic Non-Calculator 2022 Foundation Paper 1 Revision Worksheet

1. (a) Circle the answer to $150 \div 5$

- a) 3 b) 30 c) 300 d) 3000

1. (b) Circle the answer to $5 - 7$

- a) -12 b) -2 c) 2 d) 12

1. (c) Circle the answer to -3×3

- a) -9 b) -6 c) 6 d) 9

2. P is double r. Circle the correct formula.

$$P = \frac{r}{2}$$

$$P = r + 2$$

$$P = r - 2$$

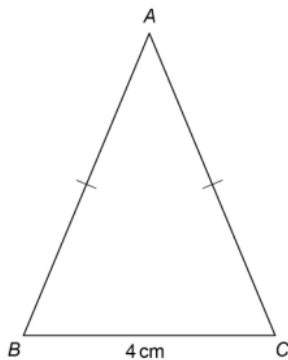
$$P = 2r$$

3. By rounding each number to the nearest 10, estimate the value of 31×18 .

[Show your working.]

Answer: _____

4. In this isosceles triangle, $AB = AC$.



The perimeter of the triangle is 22 cm. Work out the length of AB.

Answer: _____ cm

5. After school, Priya will:

- go running (R)
- do her homework (H)
- play a video game (V)

Complete the list of the 6 possible orders in which she could do them.

RHV

6. (a) Which statement is correct? Tick one box.

☐ $17 + 3 < 29 - 10$ ☐ $17 + 3 = 29 - 10$ ☐ $17 + 3 > 29 - 10$

Show working to support your answer.

(b) Work out $60 \div 2 + 4$

7.

	Cost of 100 grams
Cereal	49p
Pasta	14p

Leah buys 400 grams of cereal and 250 grams of pasta. Work out the total cost in £.

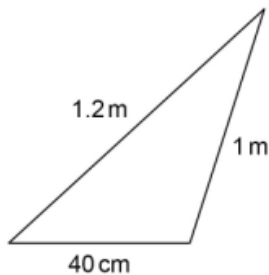
8. (a) For a set of five numbers, the mode is 8 and the median is 12. Work out one possible set of five numbers.

(b) Here are the heights, in centimetres, of some children: 98, 103, 91, 85, 159, 102, 91

Which height is an outlier?

9. Shona has 14 dresses. 50% of these dresses are red. She gives 5 of her red dresses to a charity shop. She buys 1 new red dress. What percentage of the dresses she has now are red?

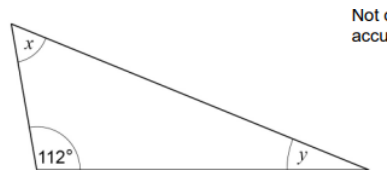
10. (a) Here is a triangle:



Work out $\frac{\text{length of shortest side}}{\text{length of longest side}}$

Give your answer as a fraction in its simplest form

- (b) Here is a different triangle:



Not to
scale

$$x = 3y$$

Work out the size of angle y .

11. Companies A and B sell insurance for mobile phones. The table shows the monthly costs for two types of cover, Damage and Loss:

Company	Damage	Loss
A	£8.65	£12.20
B	£7.25	£14.10

- (a) Work out the difference in monthly cost for the two types of cover with Company A.
- (b) Ben wants Damage cover with Company B. How much in total will he pay for one year

12. Work out $\frac{11}{18} - \frac{1}{3}$