

AQA GCSE Mathematics Calculator 2024 Foundation Paper 2 Revision Worksheet

Questions 1–13

1

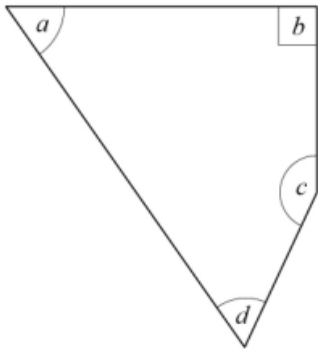
- (a) Write 0.27 as a fraction.
- (b) Write $\frac{2}{5}$ as a decimal.
- (c) Write 0.35 as a percentage.
-
-

2

- (a) Simplify fully $x + 4x$
- (b) Simplify fully $5 \times 2w$
- (c) Simplify fully $2m \div m$
- (d) Simplify fully $y \times y \times y$
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-

3

Here is a quadrilateral with angles labelled a, b, c, d.

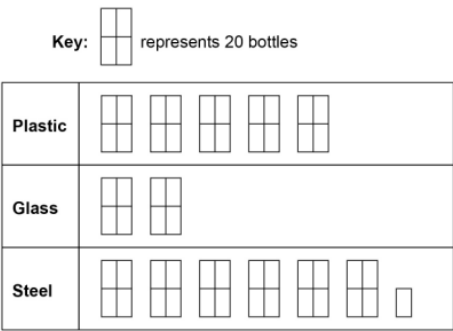


- (a) Write down the letter of the obtuse angle.
- (b) Write down the letter of an acute angle.
- (c) How many lines of symmetry does the shape have?
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-

4

- (a) One lettuce costs £1.29. How much do **seven** of these lettuces cost?
- (b) Five cucumbers cost £6.40 in total. How much do **two** of these cucumbers cost?

5. A company sells three types of bottle. The pictogram shows how many bottles they sold one week.

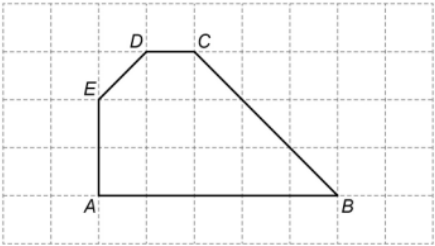


(a) The company sold **more** plastic bottles than glass bottles that week. How many more?

(b) The company sells each **steel** bottle for £17.50

Work out the total amount of money made from selling steel bottles that week.

6. Shape ABCDE is drawn on a centimetre grid.

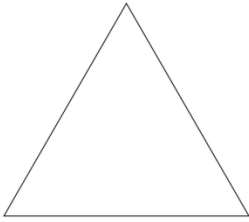


(a) Complete this statement: **AB**: = **5**: **1**

(b) On this centimetre grid, draw a rectangle with the same area as shape ABCDE.



7 Here is an accurate drawing of an equilateral triangle.



By measuring, work out the perimeter of the triangle. State the units of your answer.

8

There are 56 cubes in a box.

The cubes are green, red, blue or white. 17 cubes are green.

There are an **equal** number of red, blue and white cubes.

(a) How many red cubes are in the box?

(b) 24 more cubes are added to the box. A cube is picked at random. The probability that the cube is green is 0.4

How many of the 24 cubes added to the box are green?

9

An electric car uses 1 unit of electricity to travel 3 miles.

1 unit of electricity costs 50 pence.

Work out the cost of electricity, in pounds, to travel 270 miles.

10

(a) Leema buys 2 metres of linen at £8.50 per metre. She also buys 5 metres of cotton.

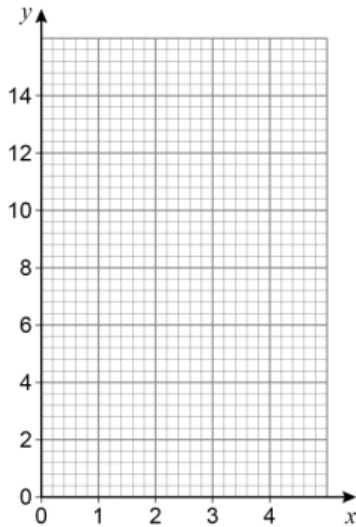
The total cost is £38. **What is the cost of one metre of cotton?**

(b) Buttons cost 65p each. The greatest number of buttons Leema can buy with £5 is 7. She says, "The greatest number of buttons I can buy with £10 is 14 because £10 is double £5." Is she correct? Circle .
Yes / No. Show working to support your answer.

11. Here is a table of values for the equation $y = 3x + 1$:

x	1	2	3	4
y	4	7	10	13

(a) Draw the graph of $y = 3x + 1$ for values of x from 1 to 4.



(b) Work out the value of y when $x = 2.5$

12

A code has **five** different digits written in order, starting with the smallest.

The last digit is the only square number. The middle digit is the only even number. **Work out the code.**

13

Four numbers have a mean of 10. Three of the numbers are 5, 8, 9.

Work out the other number.
