GCSE Foundation – Day 1

Find 15% of 620.

GCSE Foundation – Day 2

$$\frac{1}{5} + \frac{2}{3} =$$

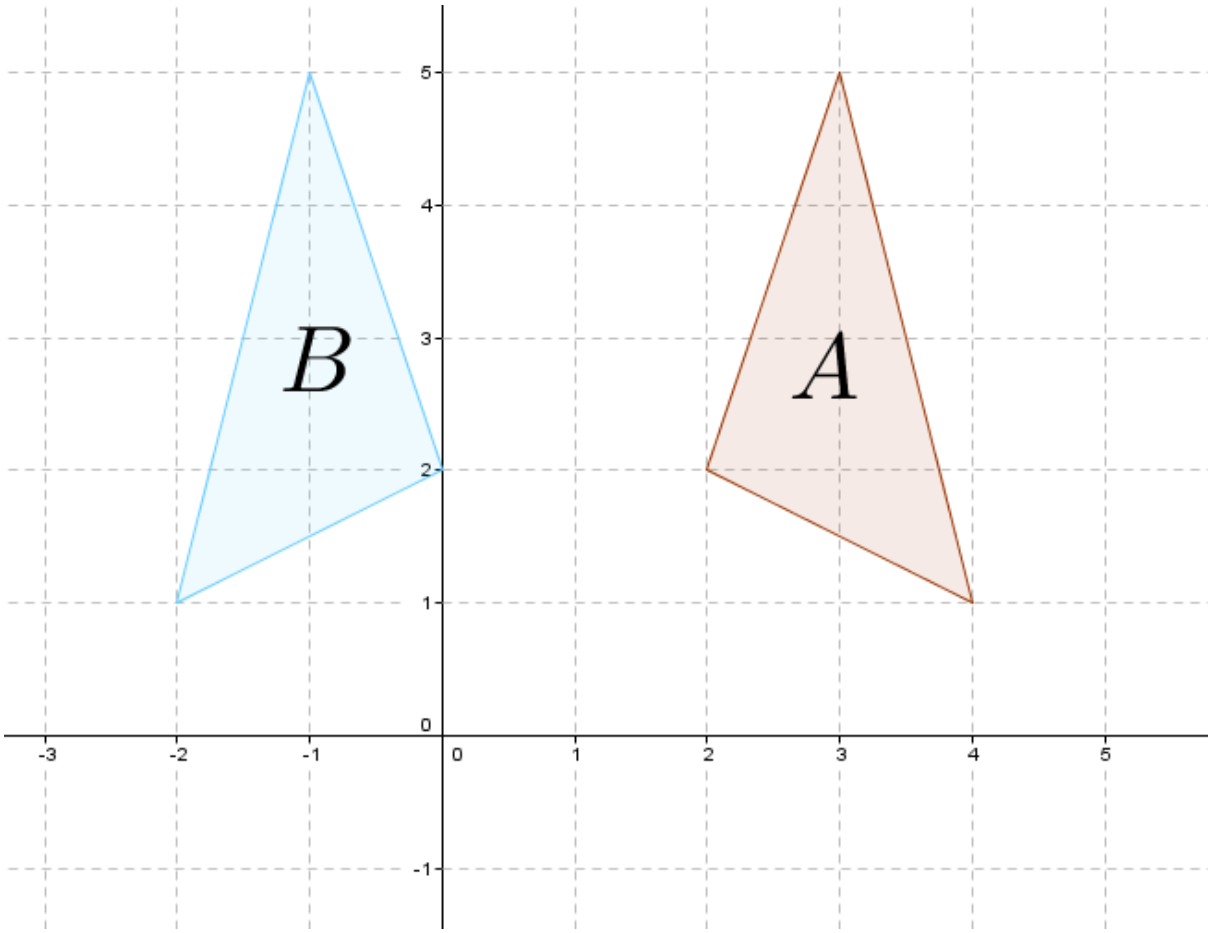
GCSE Foundation – Day 3

Find the mode, mean and median of the set of numbers below.

$$5, 2, 5, 6, 1, 9, 8$$

GCSE Foundation – Day 4

Describe the single transformation used to go from A to B.



GCSE Foundation – Day 5

Expand $4(x - 5)$

GCSE Foundation – Day 6

Find the highest common factor of 24 and 36. Show your working.

GCSE Foundation – Day 7

Solve $3x + 7 = 25$

GCSE Foundation – Day 8

Write the following in ascending order.

$\frac{3}{4}$ $\quad$ 70% $\quad$ 0.81 $\quad$ 0.12

GCSE Foundation – Day 9

John has the following 4 vegetables to pick from

Carrots

Swedes

Potatoes

Leeks

He wants to use two of them to make a soup. Write down all the possible combinations he could choose.

GCSE Foundation – Day 10

What is the number halfway between 4.6 and 6.4

GCSE Foundation – Day 11

From the following list of numbers

2 3 14 21 22 9 17 25

a) Write down a prime number.
b) Write down a multiple of 7.
c) Write down a factor of 81.
d) Write down a square number.

GCSE Foundation – Day 12

Using a written method calculate 0.4×0.6

GCSE Foundation – Day 13

Explain the meaning of the following expressions:

a) $y + 6$

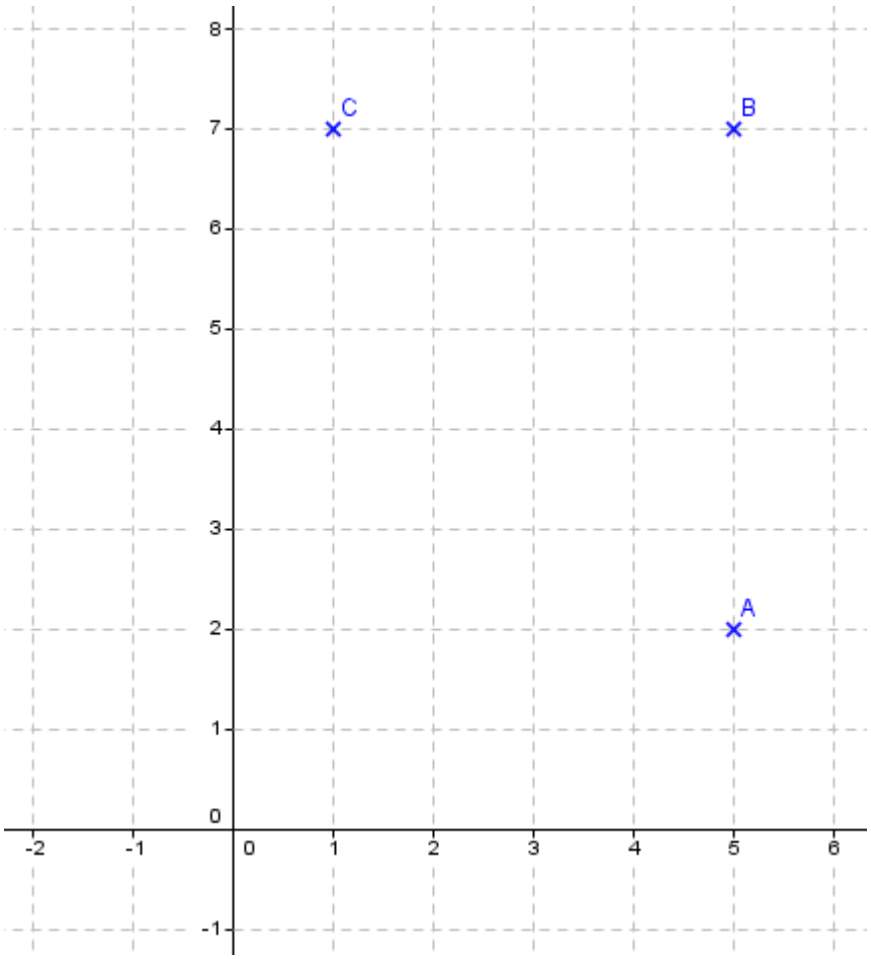
b) $7y$

c) y^2

GCSE Foundation – Day 14

Simplify $4a + 3b - 2a + 7c$

GCSE Foundation – Day 15



a) Write down the coordinates of C.

b) $ABCD$ is a rectangle

i. Plot the point D

ii. Write down the coordinates of D

GCSE Foundation – Day 16

$$\frac{3}{7} \div \frac{2}{9}$$

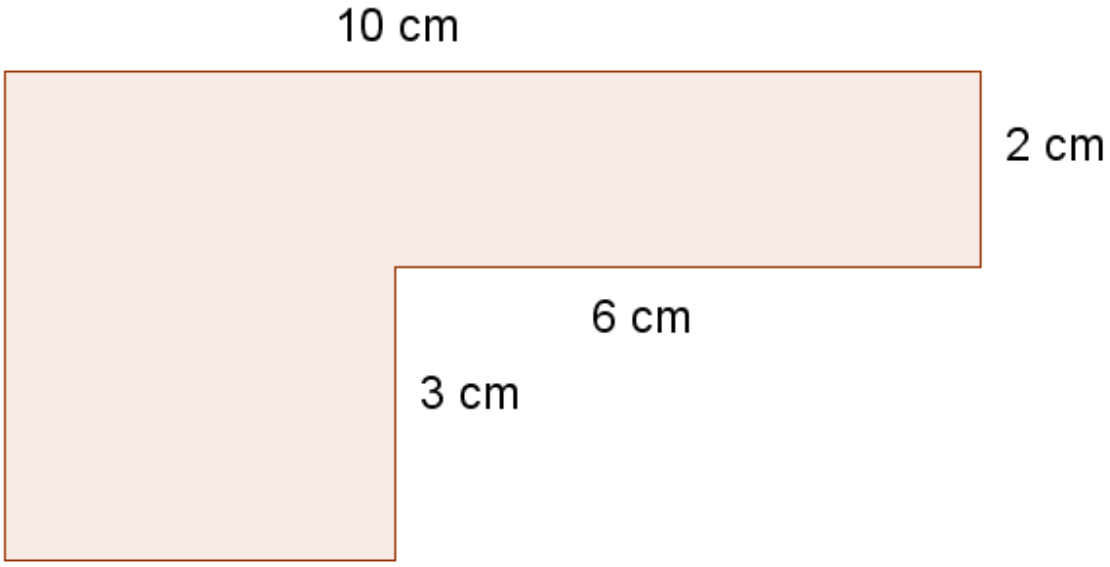
GCSE Foundation – Day 17

The equation $x^3 + 3x = 80$ has a solution between 4 and 5.

Find x to 1d.p. using trial and improvement.

GCSE Foundation – Day 18

Find the perimeter of the shape below



GCSE Foundation – Day 19

Round 782.547

a) To the nearest 10.

b) To the nearest 100.

c) To 1 decimal place.

d) To 2 decimal places.

GCSE Foundation – Day 20

Put brackets in the following statement to make it true

$$3 + 4 \times 7 + 10 = 59$$

GCSE Foundation – Day 21

If $x = 4$ and $y = 6$ what is the value of $2x + y$.