

Name: _____

BennettMaths AQA 1F – Part 1

Answer **all** questions in the spaces provided.

1 Here is a list of numbers.

12 20 42 27 18 36 6

1 (a) Which number in the list is a multiple of 5?

[1 mark]

Answer _____

1 (b) Which number in the list is a square number?

[1 mark]

Answer _____

1 (c) Which **two** numbers in the list have a total of 45 ?

[1 mark]

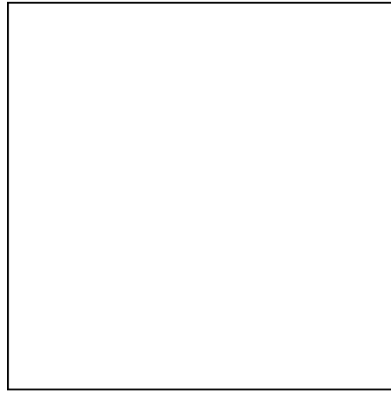
Answer _____ and _____

1 (d) Work out
largest number in the list \div smallest number in the list

[1 mark]

Answer _____

2 (a) Here is a square.

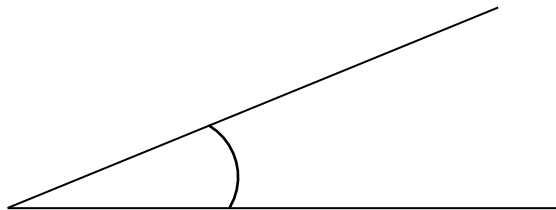


Use a ruler to measure a side length of the square.
Give your answer in **millimetres**.

[1 mark]

Answer _____ mm

2 (b) Here is an angle.



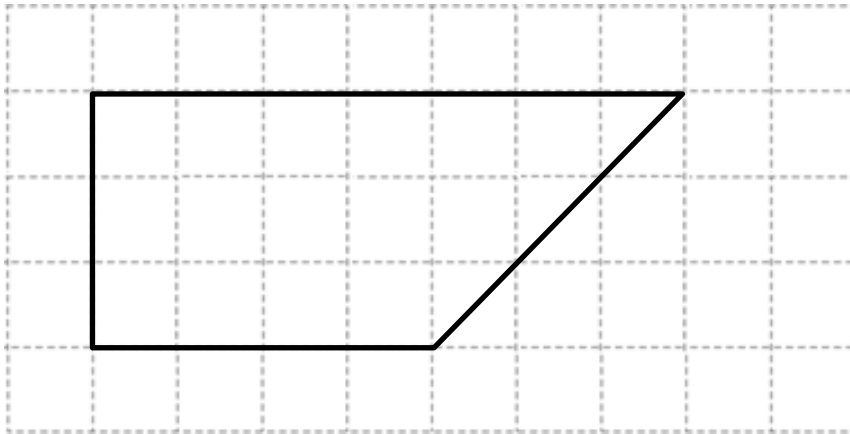
Use a protractor to measure the size of the angle.

[1 mark]

Answer _____ °

Turn over for the next question

- 2 (c) A quadrilateral is drawn on a centimetre grid.

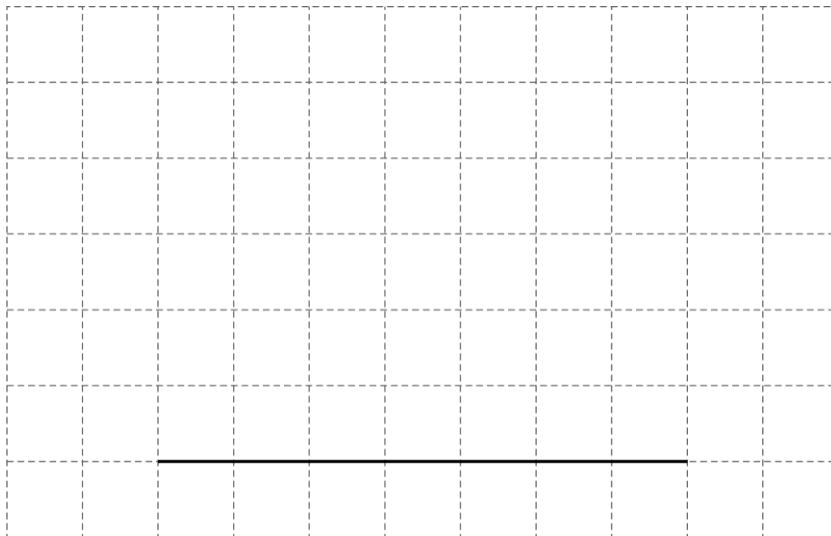


By counting squares, work out the **area** of the quadrilateral.

[1 mark]

Answer _____ cm²

- 2 (d) One side of a rectangle is drawn on this centimetre grid.



Complete the rectangle so that it has an **area** of 28 square centimetres.

[1 mark]

3 (a) Work out $(-2) \times (-5)$

[1 mark]

Answer _____

3 (b) Work out $3 \times (-8)$

[1 mark]

Answer _____

3 (c) Work out $(-4)^2$

[1 mark]

Answer _____

3 (d) Work out 2^3

[1 mark]

Answer _____

Turn over for the next question

- 4 Write 12 out of 40 as a fraction in its simplest form.

[2 marks]

Answer _____

- 5 At a cinema

the normal price of a ticket is £12

the normal price of a regular popcorn tub is £4.90

The cinema has these special offers.

Cinema Ticket

Half the normal price

Regular popcorn tub

£1.40 less than the normal price

Work out the **total** price of 3 cinema tickets and 1 regular popcorn tub using the special offers.

[4 marks]

Answer £ _____

- 6 (a) Write $2\frac{3}{7}$ as an improper fraction.

[1 mark]

Answer _____

- 6 (b) Write 0.23 as a fraction.

[1 mark]


Answer _____












Turn over for the next question

7

Talal recorded the colour of 100 cars.

The pictogram shows the results.

Key:  = 8 cars

White	   
Black	  
Blue	 
Red	
Silver	
Other	 

There were 4 **more** red cars than silver cars.

Complete the pictogram for the 100 cars.

[4 marks]

8

$$T = 2A - B$$

8 (a) Work out the value of T when $A = 10$ and $B = 8$

[2 marks]

$$T = \underline{\hspace{4cm}}$$

8 (b) Work out the value of A when $T = -22$ and $B = 16$

[3 marks]

$$A = \underline{\hspace{4cm}}$$

Turn over for the next question