



THIRD SPACE
LEARNING

Mathematics

Paper 1

(Non-Calculator)

Foundation Tier

AQA GCSE

SET 5

Mathematics Paper 1 (Non-Calculator) Foundation Tier AQA

GCSE SET 5

Name

Total marks

Paper length: 1hr 30mins



Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer all questions.
- Answer the questions in the spaces provided – there may be more space than you need.
- You must show all your working.
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- Calculators may not be used.

Information

- The total mark for this paper is 80
- The marks for each question are shown in brackets – use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Question	Mark
1	
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You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.

This practice paper is based on the topics from the **advanced information for the November 2026 exam series**.

Please note, this practice paper is an example to help revision, these topics can be tested in other ways and other topics may be included in the actual papers

1 (a) Work out $234 + 67$

[1 mark]

Answer _____

(b) Work out 24×7

[2 marks]

Answer _____

2 (a) Complete the statement.

[1 mark]

350 millimetres = _____ centimetres

(b) Complete the statement.

[1 mark]

6 kilograms = _____ grams

(c) Complete the statement.

[1 mark]

243 millilitres = _____ litres

3 Here is a list of numbers.

6 7 5 9 5 6 4 5 3

(a) Write down the mode of these numbers.

[1 mark]

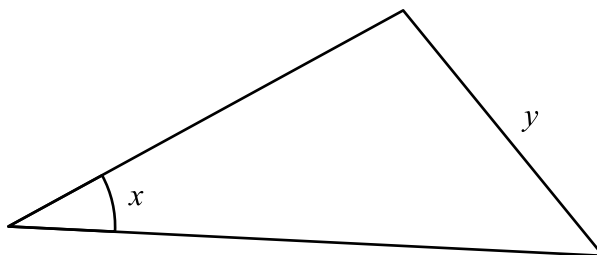
Answer _____

(b) Find the median of the numbers.

[2 marks]

Answer _____

4 Here is a triangle.



(a) Measure the angle marked x .

[1 mark]

Answer _____ °

(b) Measure the length of the side marked y .

[1 mark]

Answer _____

5 (a) Work out $5 \times (-8)$

[1 mark]

Answer _____

(b) Work out $-7 - 10$

[1 mark]

Answer _____

6 Jacob records the birds he sees in his garden.
Here are the results

Blackbird	Robin	Sparrow	Magpie
Robin	Blackbird	Blackbird	Sparrow
Sparrow	Magpie	Sparrow	Blackbird
Blackbird	Magpie	Blackbird	Sparrow

(a) Complete the frequency table

[2 marks]

Bird	Tally	Frequency
Blackbird		
Robin		
Sparrow		
Magpie		

(b) Draw a bar chart to show the results

[3 marks]



7 (a) Solve $n + 5 = 14$

[1 mark]

Answer _____

(b) Solve $\frac{p}{5} = 11$

[1 mark]

Answer _____

8 There are 16 boys in a class of 30.

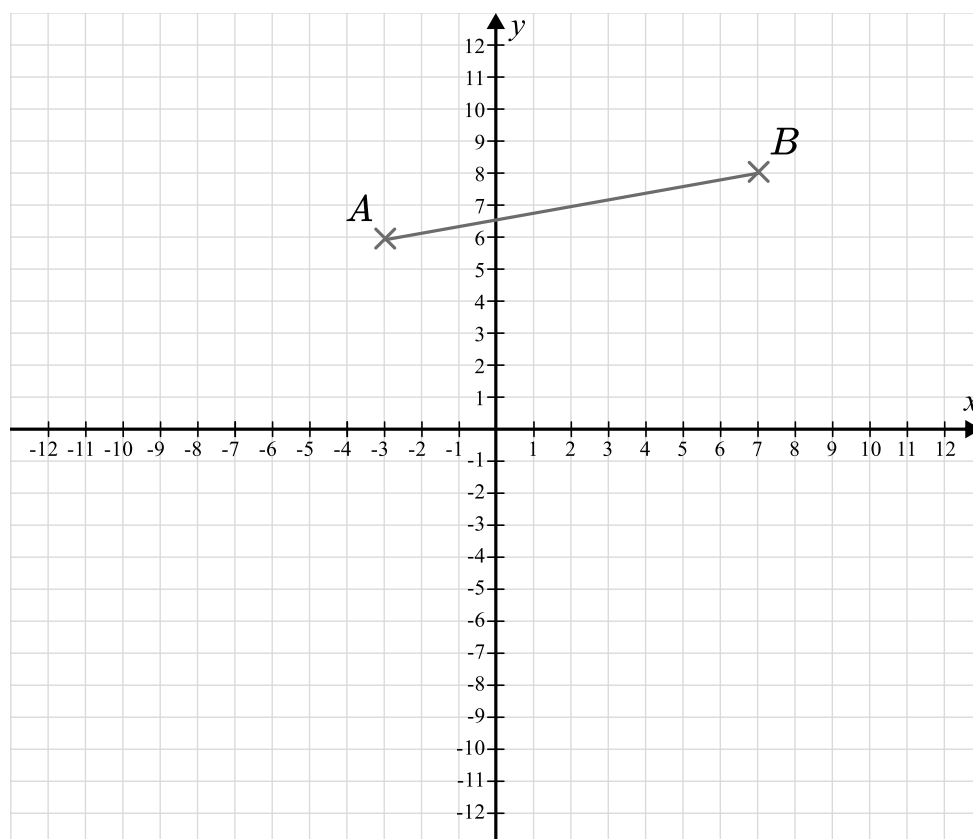
Write as a ratio the number of boys to the number of girls.

Give your answer in its simplest form.

[2 marks]

Answer _____

9



(a) Plot the point with coordinates $(5, -2)$

[1 mark]

(b) Write down the coordinates of the midpoint of the line AB

[1 mark]

Answer _____

(c) Draw the line with equation $y = -8$

[1 mark]

10 Work out $\frac{3}{5} + \frac{2}{15}$

[2 marks]

Answer _____

11 $p = 3r - 2q$

Work out the value of p when $r = 5$ and $q = 12$

[2 marks]

Answer _____

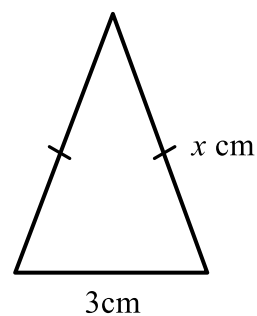
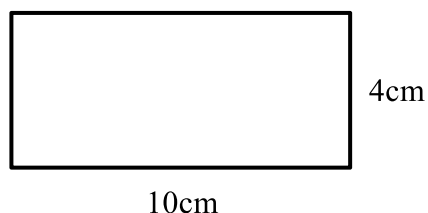
12 Work out an estimate for the value of 83×2.92

You must show all of your working.

[2 marks]

Answer _____

13



The perimeter of the triangle is half the perimeter of the rectangle.

Work out the value of x .

[2 marks]

Answer _____

14 Here is a list of ingredients for cupcakes.

Makes 12

120g flour

100g sugar

90g butter

2 eggs

Florence wants to make 30 cupcakes.

How much sugar does she need?

[2 marks]

Answer _____

15 (a) Work out 2^4

[1 mark]

Answer _____

(b) Write down the value of 9^0

[1 mark]

Answer _____

16 (a) Expand $5(2y - 3)$

[1 mark]

Answer _____

(b) Expand and simplify $4(3x - 7) - 2(x - 5)$

[2 marks]

Answer _____

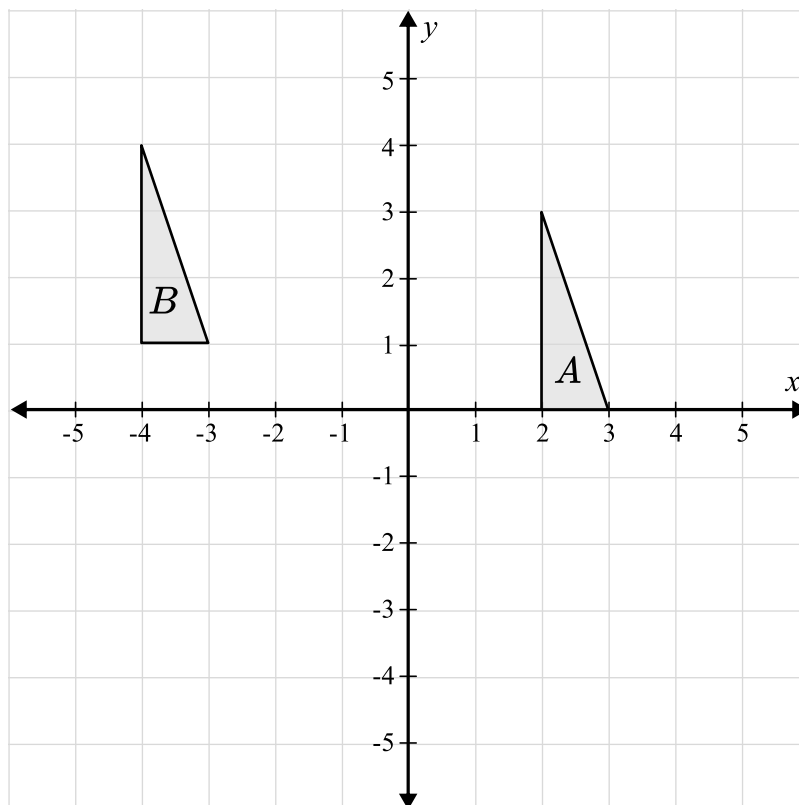
(c) Factorise $x^2 - 7x$

[1 mark]

Answer _____

17 Describe the single transformation that maps triangle A onto triangle B .

[2 marks]



18 Write 210 as a product of its prime factors.

Give your answer in index form.

[2 marks]

Answer _____

19 40% of a number is 200

Work out 90% of the number

[2 marks]

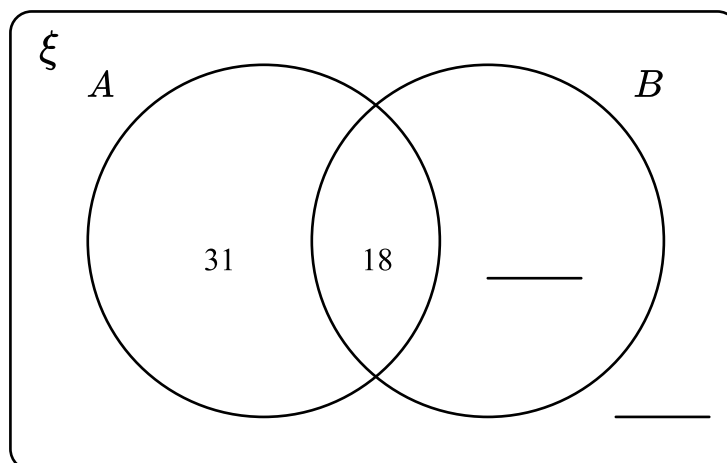
Answer _____

20 Here is a Venn diagram.

$\xi = 80$ people

A = people who like apples

B = people who like bananas



(a) 40 people like bananas.

Complete the Venn diagram.

[2 marks]

(b) One of the 80 people is chosen at random.

What is the probability that they like both apples and bananas?

[1 mark]

Answer _____

21 Make f the subject of the formula $g = 3f - 4$

[2 marks]

Answer _____

22 n is an odd number.

Tick the correct box for each statement.

[4 marks]

	Always true	Sometimes true	Never true
$2n$ is odd			
n^2 is odd			
$n^3 + n$ is odd			
$(5n - 2)^2$ is odd			

23 A garden centre sells lilies, roses and tulips.
Here is some information about the number of plants sold in one day.

The ratio of lilies to roses sold was 3:2.
The ratio of roses to tulips sold was 5:4.
Lilies, roses and tulips made up $\frac{11}{20}$ of the plants sold that day.
Altogether 180 plants were sold.

Work out the number of lilies sold that day.

[4 marks]

Answer _____

24 Write these numbers in order of size, starting with the smallest.

[2 marks]

$$3.15 \times 10^4$$

$$3.15 \times 10^{-2}$$

$$3.15 \times 10^{-1}$$

3150

Smallest Largest

25 In a sale, prices are reduced by 40%

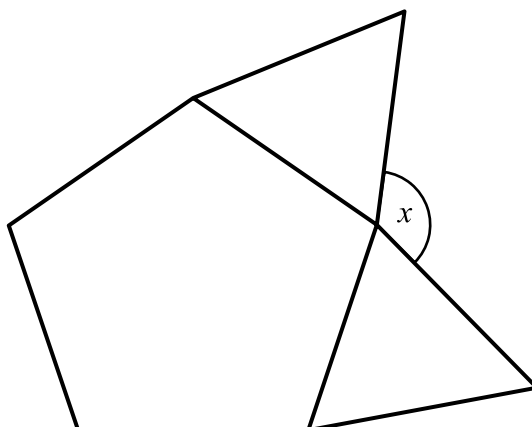
The sale price of a laptop is £360

Work out the original price of the laptop

[2 marks]

Answer £ _____

26 Here is a regular pentagon and two equilateral triangles.



Show that angle x is 132°

[3 marks]

27 Write down the value of $\sin 60$

[1 mark]

Answer _____

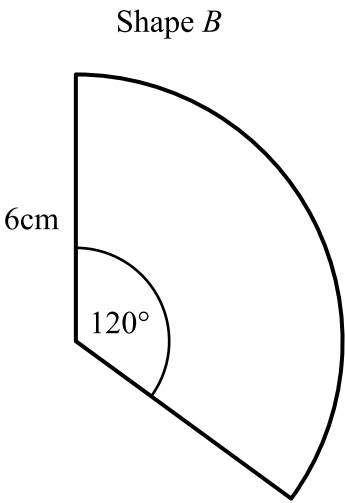
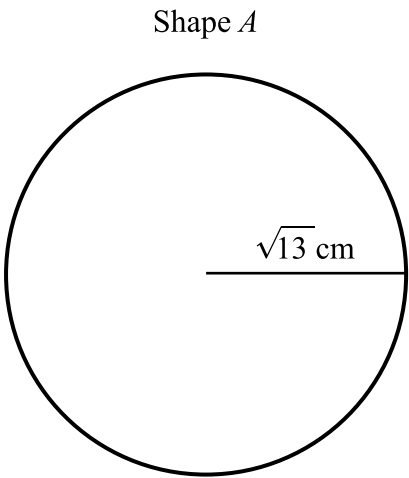
28 Work out the value of $\frac{5^5 \times 5^{-2}}{5}$

[2 marks]

Answer _____

29 Shape A is a circle with radius $\sqrt{13}$ cm

Shape B is a sector of a circle with radius 6cm.



Not drawn
accurately

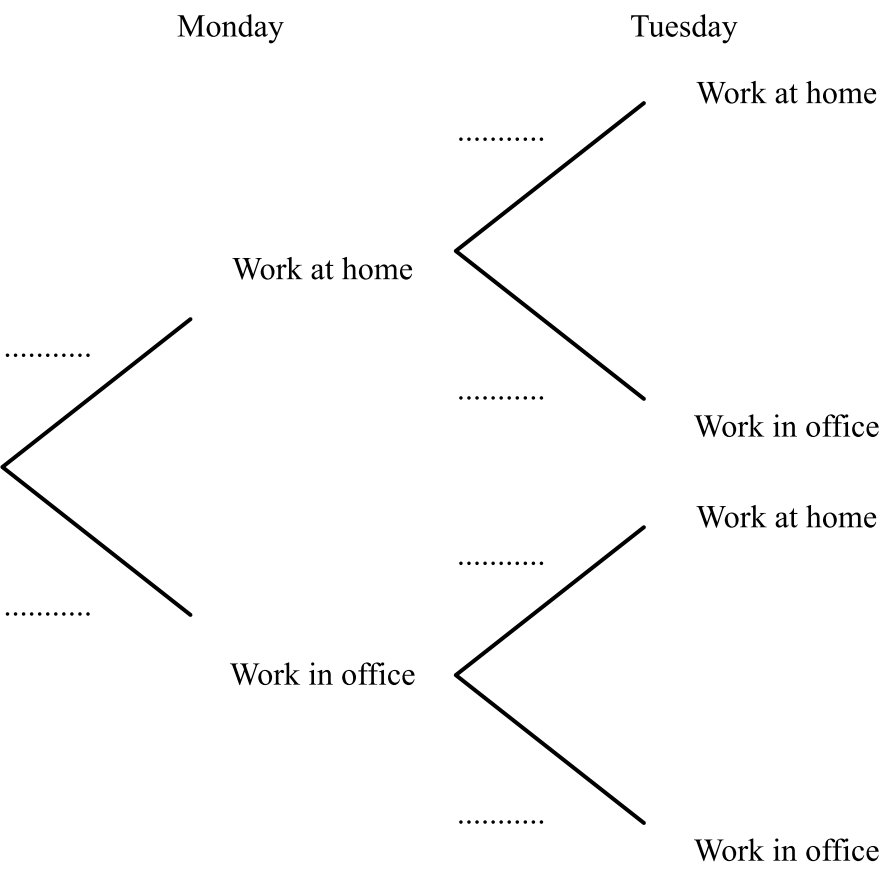
Which shape has the greater area, A or B ?

You must show your working.

[4 marks]

Answer _____

30 The probability that Faraz will work from home on any given day is p .
The probability that Faraz works at home on Monday and Tuesday is $\frac{49}{100}$



(a) Complete the tree diagram

[3 marks]

(b) Work out the probability that Faraz works in the office on exactly one of the two days.

[3 marks]

Answer _____

End of Questions

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