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Boost Your Skills & Grades in Grade 9 Maths

1MA1 Nov 2026 Paper 1 Best Guess Paper

FOCUS Grade 4/5

----- Disclaimer -----

We've analysed past exam trends to create this highly targeted Foundation revision paper. Because it is specifically built to help you secure a Grade 4 or 5 on the Foundation Tier, we have focused entirely on the core topics you need to pass. This lets you focus your energy on the marks that matter most for your target grade.

A Word of Warning: Despite what you might see on TikTok or Instagram, it is impossible to perfectly predict an exam paper. When people claim they can, they are usually just trying to sell you something. Use this paper to test your knowledge and build confidence, but remember there are no guarantees. Thorough revision across all topics is always your best strategy.

The best way to prepare for the exams is to revise all topics

You can find a link to this paper and more completely free resources at www.mygrade9mathstutor.com

If you find this paper help please support me, by
buying me a coffee



The Playlist for Solutions can be found



The best way to work with this paper is work through it all, watch the Clip. If you get the question incorrect watch the clip again and then try the similar questions from the worksheets

Answer ALL THIRTY-ONE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1. Write down the value of the 6 in the number 56 429.

.....
(1 mark)

2. Change 4.512 metres into centimetres.

..... cm
(1 mark)

3. Simplify $6 \times 2y$

.....
(1 mark)

4 Here is a list of numbers:

4, 9, 14, 17, 25, 32

From the list, write down a prime number.

.....
(1 mark)

5 Write down the mathematical name of an angle that is greater than 90° but less than 180° .

.....
(1 mark)

Model Solution	Practice Perfect Questions
	

6 Work out $\frac{3}{7}$ of 42.

(2 marks)

Model Solution	Practice Perfect Questions
	

7. Catherine buys 3 coffees at £2.45 each and 2 muffins at £1.80 each.
She pays with a £20 note.
Work out how much change Catherine should get

(3 marks)

(Total for Question 7 is 3 marks)

Model Solution	Practice Perfect Questions
	

8. There are 12 counters in a bag.
- 5 of the counters are red.
 - 4 of the counters are blue.
 - The rest of the counters are green. A counter is taken at random from the bag.
- Work out the probability that the counter is **not** blue

.....

(2 marks)

(Total for Question 8 is 2 marks)

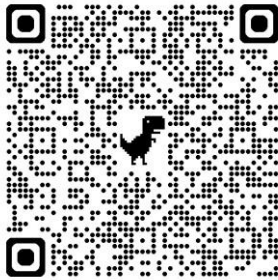
Model Solution	Practice Perfect Questions
	

9. Work out 35% of 160.

.....

(2 marks)

(Total for Question 9 is 2 marks)

Model Solution	Practice Perfect Questions
	

10. (a) Solve $5x - 7 = 38$

.....
(2 marks)

(b) Expand $3(4h - 9)$

.....
(1 mark)

(c) Factorise $16m + 48$

.....
(1 mark)
(Total for Question 10 is 4 marks)

Model Solution	Practice Perfect Questions
	

11. 80 students visited a sports club. Each student chose swimming, gym, or tennis.

- 38 of the students are boys.
- 15 of the boys chose swimming.
- 12 of the girls chose tennis.
- A total of 25 students chose gym, of which 11 were boys.

Draw and complete a two-way table to show this information.

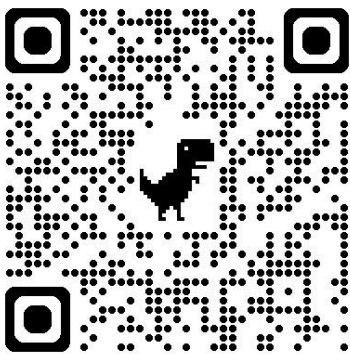
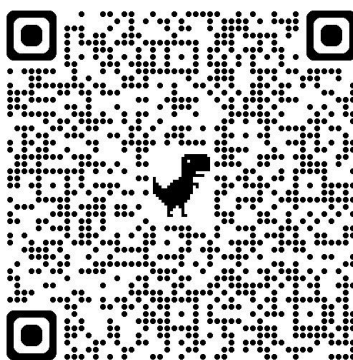
(4 marks)

(b) One of the girls is chosen at random.

Find the probability that this girl chose swimming.

(1 mark)

(Total for Question 11 is 5 marks)

Model Solution	Practice Perfect Questions
	

12. Paul, Mark, and Katie share £240 in the ratio 7:5:8
Work out what percentage of the money Mark receives.

(2 marks)

(Total for Question 12 is 2 marks)

Model Solution	Practice Perfect Questions
	

13. Ratio of red to blue is $y:4$. There are 35 red and 20 blue counters. Work out y .

(2 marks)

(Total for Question 13 is 2 marks)

Model Solution	Practice Perfect Questions
	

14 A shop sells laundry liquid in two different sized bottles.

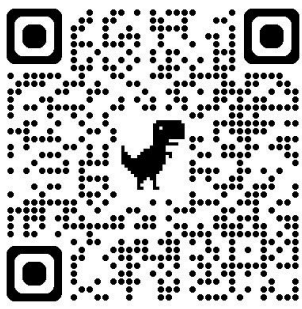
- Small bottle: 400 ml for £1.60
- Large bottle: 1.2 litres for £5.40

The shop has a special offer on the large bottle: "10% off the normal price".

Which bottle is better value for money? You must show all your working.

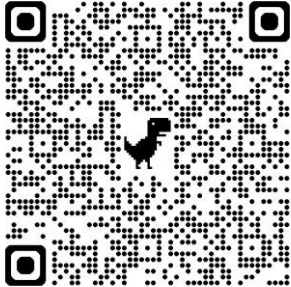
(4 marks)

(Total for Question 14 is 4 marks)

Model Solution	Practice Perfect Questions
	

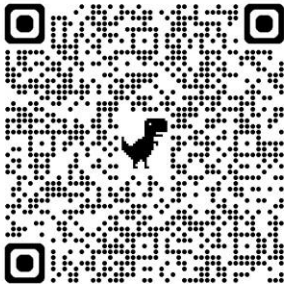
15. A train travels 135 miles in 2 hours and 15 minutes. Work out the average speed in miles per hour.

(3 marks)

Model Solution	Practice Perfect Questions
	

16 A block of wood has a mass of 1.2 kg and a density of 0.6 g/cm³. Work out the volume in cm³.

(3 marks)

Model Solution	Practice Perfect Questions
	

17. Work out 54.6×4.3

(Total for Question 17 is 3 marks)

Model Solution	Practice Perfect Questions
	

18 Work out

$$2\frac{1}{4} \div \frac{3}{5}$$

Give your answer as a mixed number in its simplest form.

(Total for Question 18 is 3 marks)

Model Solution	Practice Perfect Questions
	

19 Alex, Ben, and Chloe share some money in the ratio 2: 5: 9.
Chloe receives £35 more than Alex.
Work out how much money Ben receives.

.....
(Total for Question 19 is 2 marks)

Model Solution	Practice Perfect Questions
	

20

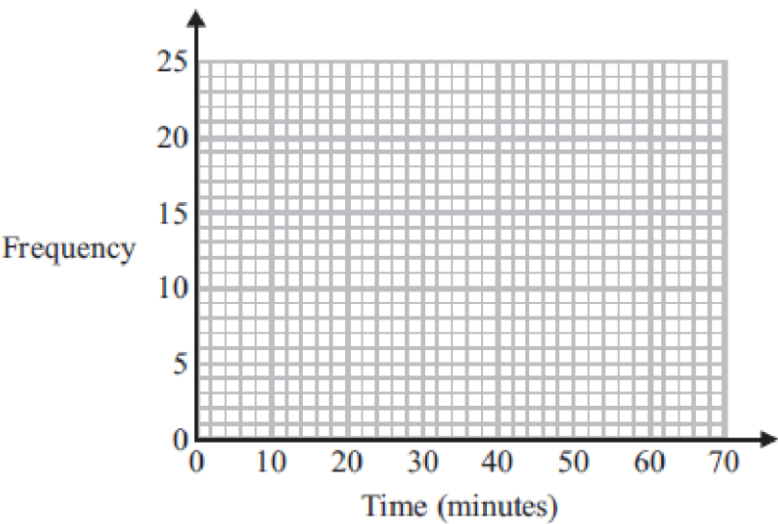
The frequency table gives information about the times it took some students to get to school one day.

to get to

Time (t minutes)	Frequency
$0 < t \leq 10$	14
$10 < t \leq 20$	18
$20 < t \leq 30$	4
$30 < t \leq 40$	6
$40 < t \leq 50$	6
$50 < t \leq 60$	2

(a)

Draw a frequency polygon for this information.



(2)

(b)

Write down the modal class interval.

.....

(1)

(Total for Question 20 is 3 marks)

Model Solution	Practice Perfect Questions
	

21 (a) Simplify $a^6 \times a^{10}$

.....
(1)

(b) Simplify $c^{30} \div c^{12}$

.....
(1)

(Total for Question 21 is 2 marks)

Model Solution	Practice Perfect Questions
	

22 Factorise $18x^2y - 24xy^2$

.....
(2)

(Total for Question 22 is 2 marks)

Model Solution	Practice Perfect Questions
	

23 (i) Factorise $x^2 - 10x + 24$

.....
(2)

(ii) Hence, solve $x^2 - 10x + 24 = 0$

.....
(1)

(Total for Question 23 is 3 marks)

Model Solution	Practice Perfect Questions
	

24. A number, y , is rounded to 2 significant figures.

The result is 0.046.

Write down the error interval for y .

(Total for Question 24 is 2 marks)

Model Solution	Practice Perfect Questions
	

25 $\mathcal{E} = \{\text{integers from 1 to 12}\}$

$A = \{\text{factors of 12}\}$

$B = \{\text{multiples of 3}\}$

(a) List the members of the set $A \cap B$.

.....
(2)

A number is chosen at random from the universal set $\mathcal{E}$.

(b) Find the probability that this number is in the set $A \cup B$.

.....
(1)

(Total for Question 25 is 4 marks)

Model Solution	Practice Perfect Questions
	

26. In a sale, normal prices are reduced by 20%. The sale price of a coat is £72.

Work out the normal price of the coat.

(2)

(Total for Question 26 is 2 marks)

Model Solution	Practice Perfect Questions
	

27 A circular metal disc has a radius of 19.8cm.

(a) Work out an estimate for the area of the disc.

You must show all your working.

(2 marks)

(b) Is your answer to part (a) an underestimate or an overestimate? Give a reason for your answer.

(1 mark)

(Total for Question 27 is 3 marks)

Model Solution	Practice Perfect Questions
	

28 a) Write 0.0000407 in standard form.

(1)

(b) Work out the value of $(3.2 \times 10^4) \times (5 \times 10^3)$.

Give your answer in standard form.

(2)

(Total for Question 28 is 3 marks)

Model Solution	Practice Perfect Questions
	

29

$$\mathbf{a} = \begin{pmatrix} 4 \\ -3 \end{pmatrix} \quad \text{and} \quad \mathbf{b} = \begin{pmatrix} -2 \\ 5 \end{pmatrix}$$

(a) Work out $3\mathbf{a} + 2\mathbf{b}$ as a column vector.

(2)

The vector $\mathbf{c} = \begin{pmatrix} 10 \\ k \end{pmatrix}$, where k is an integer.

(b) Given that $2\mathbf{a} - \mathbf{b} = \mathbf{c}$, work out the value of k

(2)

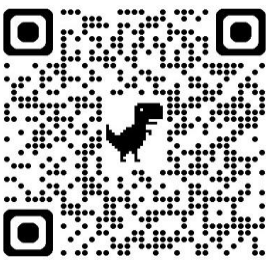
(c) Point P has coordinates $(3, -1)$.

The translation vector from P to Q is $\begin{pmatrix} -5 \\ 4 \end{pmatrix}$.

Write down the coordinates of point Q.

(1)

(Total for Question 29 is 5 marks)

Model Solution	Practice Perfect Questions
	

30 Solve the simultaneous equations:

$$3x + 2y = 16$$

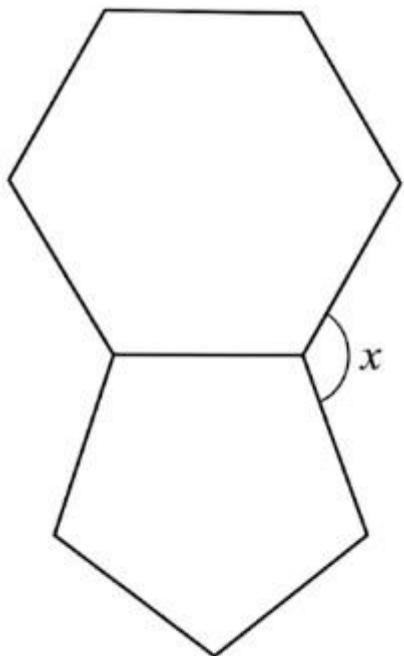
$$4x - 3y = 27$$

Show clear algebraic working

(Total for Question 30 is 3 marks)

Model Solution	Practice Perfect Questions
	

- 31 The diagram shows a regular hexagon and a regular pentagon sharing a common edge.



Work out the size of the obtuse interior angle between the outer edges. You must show all your working.

(Total for Question 31 is 3 marks)

Model Solution	Practice Perfect Questions
	

TOTAL FOR PAPER = 80 MARKS