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4MA1 Nov 2026 Paper 2 Best Guess Paper

Foundation Mark scheme

————————————- Disclaimer ————————————-

This practice paper has been designed using a careful analysis of historical exam trends to identify topics highly likely to appear in the 4MA1 2F paper. It is an excellent revision tool specifically structured for students targeting a Grade 5. The paper establishes essential foundational skills in the opening questions before focusing heavily on the critical Grade 4 and 5 crossover topics required to secure top marks.
While the topics covered here are highly relevant, there is absolutely no guarantee they will appear in the actual exam. Despite claims frequently seen on social media, it is impossible to perfectly "predict" an exam paper—such statements are typically sales tactics. The most effective preparation strategy will always be a comprehensive revision of the entire mathematics specification.

The best way to prepare for the exams is to revise all topics
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The Playlist for Solutions can be found

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

Foundation Paper 2F · Mark Scheme

4MA1 Best Guess · November 2026 · Target 4/5 · 27 questions · Paper total: 100 marks
M: method mark · A: accuracy mark · B: independent mark
cao: correct answer only · oe: or equivalent · ft: follow-through

Question 1

Part	Working / Answer	Marks	Marking notes
(a)	2 squares shaded	**1**	B1 for any 2 squares shaded
(b)	1/3	**2**	M1 for 2/6 or equivalent unsimplified fraction A1 for 1/3 correct simplified fraction
(c)	7/10	**1**	B1 for 7/10 oe

Question 2

Part	Working / Answer	Marks	Marking notes
(a)	60	**1**	B1 cao
(b)	1 full circle and 3/4 of a circle drawn	**1**	B1 for correct pictogram drawing

Question 3

Part	Working / Answer	Marks	Marking notes
(a)	Tehran	**1**	B1 cao
(b)	11	**1**	B1 cao
(c)	3 - (3 x 2) -3	**2**	M1 for identifying a drop of 6 or sequence (1, -1, -3) A1 cao

Question 4

Part	Working / Answer	Marks	Marking notes
(a)	725	**1**	B1 cao
(b)	3.8	**1**	B1 cao
(c)	(38 - 8) / 2 15	**2**	M1 for a complete method to find the length A1 cao

Question 5

Part	Working / Answer	Marks	Marking notes
—	08:45 to 13:45 = 5 hours 13:45 to 14:20 = 35 mins 5 hours 35 minutes	**2**	M1 for a valid method to find the time difference A1 for 5 hours 35 minutes

Question 6

Part	Working / Answer	Marks	Marking notes
(a)	47	**1**	B1 cao
(b)	-3	**1**	B1 cao

Question 7

Part	Working / Answer	Marks	Marking notes
(a)	HA, HB, HM, CA, CB, CM, TA, TB, TM	**2**	B2 for all 9 correct combinations (B1 for at least 4 correct combinations)
(b)	5/7	**1**	B1 cao

Question 8

Part	Working / Answer	Marks	Marking notes
—	6.80 / 4 = 1.70 11.35 - (3 x 1.70) = 6.25 6.25 / 5 1.25	**3**	M1 for method to find cost of 1 notebook (1.70) M1 for method to find cost of 5 pens A1 for 1.25

Question 9

Part	Working / Answer	Marks	Marking notes
(a)	Vertical line drawn at x = -3	**1**	B1 for correct vertical line
(b)	(-2+2)/2 , (1+4)/2 (0, 2.5)	**2**	M1 for a method to find the midpoint A1 for (0, 2.5) oe
(c)	$AB = \sqrt{4^2 + 3^2} = 5$ $BC = 5$ $(c-4)^2 = 5^2 - 3^2 = 16$ $c = 8$	**2**	M1 for recognizing distance AB = 5 or setting up a correct Pythagorean equation for BC A1 for 8

Question 10

Part	Working / Answer	Marks	Marking notes
—	PSR = 360 - (65 + 105 + 75) = 115 PST = 180 - 115 = 65 PTS = 65 (isosceles) x = 180 - (65 + 65) 50	**3**	M1 for the angle method: 360 - 245 = 115 (angle PSR), then 180 - 115 = 65 (angle PST on a straight line) M1 for 180 - (65 + 65) using isosceles properties A1 for 50

Question 11

Part	Working / Answer	Marks	Marking notes
—	P(4) = 0.15 300 x 0.15 45	**3**	M1 for recognizing P(4) is 0.15 (equal to P(1)) M1 for 300 x 0.15 A1 for 45

Question 12

Part	Working / Answer	Marks	Marking notes
(a)	3x > 15 x > 5	**2**	M1 for adding 5 to both sides A1 for x > 5
(b)	Open circle at 5 with arrow to the right	**1**	B1 ft from part (a)

Question 13

Part	Working / Answer	Marks	Marking notes
—	78 x 100 = 7800 7800 / 200 39	**3**	M1 for unit conversion (x 100) M1 for dividing by 200 A1 for 39

Question 14

Part	Working / Answer	Marks	Marking notes
—	q = 12 r = 19 19 - 16 = 3	**3**	B1 for q = 12 B1 for r = 19 B1 for p = 3

Question 15

Part	Working / Answer	Marks	Marking notes
(a)	$32p^{15}$	**2**	B1 for 32 B1 for p^{15}
(b)	$8p^2 - 6p - p^2 + 4p$ $7p^2 - 2p$	**2**	M1 for correct expansion of at least one bracket A1 for fully simplified expression
(c)	$4c = t - d$ $c = \frac{t-d}{4}$	**2**	M1 for isolating the 4c term A1 for correct final subject

Question 16

Part	Working / Answer	Marks	Marking notes
—	5x - 1 = 3x + 5 2x = 6, x = 3 Height = 14 24 x 14 = 336	**4**	M1 for setting up equation $5x - 1 = 3x + 5$ M1 for solving to x = 3 M1 for substitution and calculating area (24 x 14) A1 for 336

Question 17

Part	Working / Answer	Marks	Marking notes
—	Total parts = 12. 1 part = 60 T=420, C=180, D=120 Y.T. = 0.4 x 420 = 168 Y.C. = (2/3) x 180 = 120 Y.D. = (3/4) x 120 = 90 168 + 120 + 90 = 378	**5**	M1 for method to find total number of each flower M1 for a correct method to find the quantity of at least one yellow flower M1 for method to find all three yellow amounts M1 for summing the three amounts A1 for 378

Question 18

Part	Working / Answer	Marks	Marking notes
—	(168 / 600) x 100 28	**3**	M1 for finding the absolute decrease (168) M1 for (168 / 600) x 100 A1 for 28

Question 19

Part	Working / Answer	Marks	Marking notes
(a)	Triangle drawn at (-1, 3), (-1, 5), (-2, 3)	**2**	B2 for a fully correct rotated triangle (B1 for correct orientation in wrong position)
(b)	Triangle drawn at (5, 1), (-1, 1), (-1, 4)	**3**	B3 for fully correct enlargement (B2 for correct size, wrong position) (B1 for 2 correct vertices relative to the centre)

Question 20

Part	Working / Answer	Marks	Marking notes
(a)	(i) 11, 13, 14, 15, 16 (ii) 10, 12, 14, 15, 16, 17, 19	**2**	B1 for correct set Q B1 for correct union set
(b)	Yes, circles P and R do not overlap	**1**	B1 for Yes with a valid geometric reason based on the circles
(c)	5/10 1/2	**2**	M1 for 5 out of 10 A1 for 1/2 (or 0.5)

Question 21

Part	Working / Answer	Marks	Marking notes
—	344 / 0.8 430	**2**	M1 for $344 \div 0.8$ or equivalent complete method A1 for 430

Question 22

Part	Working / Answer	Marks	Marking notes
—	$a^2 + 9^2 = 15^2$ $a = 12$ $\sin(40) = 12/x$ 18.7	**4**	M1 for using Pythagoras theorem to find the shared side length A1 for shared side = 12 M1 for correct trigonometric ratio setup ($\sin(40) = 12/x$ oe) A1 for 18.7 (accept 18.66-18.7)

Question 23

Part	Working / Answer	Marks	Marking notes
(a)	Line segment drawn from (2, 0) to (3, -2)	**2**	B2 for fully correct line drawn (B1 for at least 2 correct coordinates plotted)
(b)	Triangular region shaded correctly	**3**	M1 for identifying the lines x=0 and y=- 1 M1 for identifying region satisfying at least two inequalities A1 for correct completely shaded region R

Question 24

Part	Working / Answer	Marks	Marking notes
(a)	0.65, 0.8, 0.2, 0.1, 0.9	**2**	B1 for 0.65 on first branch B1 for fully correct right-hand branches
(b)	(0.35 x 0.8) + (0.65 x 0.1) 0.345	**3**	M1 for one correct product path M1 for sum of correct product paths A1 for 0.345

Question 25

Part	Working / Answer	Marks	Marking notes
—	Large circle area = $\pi \times 5^2$ Small area = $\pi \times 3^2$ Shaded = $0.5 \times (25\pi - 9\pi) = 8\pi$ $8\pi \times 24 = 603.18$ Yes	**5**	M1 for method to find area of full large or small circle M1 for method to find area of semi- circular patio section (8π or $25.1...$) M1 for multiplying area by 24 A1 for 603.18 or 603.19 B1 for concluding 'Yes' with correct supporting working

Question 26

Part	Working / Answer	Marks	Marking notes
(a)	18 / (15/6) 7.2	**2**	M1 for establishing correct scale factor (2.5 or 0.4) and multiplying/dividing A1 for 7.2
(b)	8 x 2.5 20	**2**	M1 for 8 x 2.5 or 8 / 0.4 A1 for 20

Question 27

Part	Working / Answer	Marks	Marking notes
—	$3y = 2x + 12$ Gradient = 2/3 $y = \frac{2}{3}x + 5$	**3**	M1 for rearranging to find gradient $m = 2/3$ M1 for substituting gradient and identifying y-intercept c = 5 A1 for $y = \frac{2}{3}x + 5$