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1MA1 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 1MA1 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

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GCSE Mathematics 1MA1 · November 2026 · Target 4/5 · 24 questions · 80 marks

M: method mark · **A**: accuracy mark · **B**: independent mark
Equivalent valid methods are accepted unless otherwise stated. Accuracy marks depend on the associated method being demonstrated or implied by a correct answer. B2 entries include their B1 criteria where specified.

Question 1 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
1(a)	Shade any two of the squares.	**2 squares shaded**	**1**	**B1** — For any 2 squares shaded.
1(b)	Simplify the shaded fraction.	**1/6**	**1**	**B1** — For 1/6 or equivalent.
1(c)	Convert 0.7 to a fraction.	**7/10**	**1**	**B1** — For 7/10 or equivalent.

Question 2 · 2 marks

Q / part	Working / method	Answer	Marks	Marking guidance
2(a)	4 × 40 = 160	**160**	**1**	**B1** — Correct answer only.
2(b)	70 ÷ 40 = 1.75	**1 full circle and 3/4 circle**	**1**	**B1** — For 1 full circle and 3/4 circle drawn on Friday.

Question 3 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
3(a)	Read the lowest midnight temperature from the table.	**Tehran**	**1**	**B1** — Correct answer only.
3(b)	9 – (–2) = 11	**11 °C**	**1**	**B1** — Correct answer only.
3(c)	3 – (3 × 2) = –3	**–3 °C**	**1**	**B1** — Correct answer only.

Question 4 · 2 marks

Q / part	Working / method	Answer	Marks	Marking guidance
4(a)	(7 × 5) + 12 = 47	**47**	**1**	**B1** — Correct answer only.
4(b)	(–3 × 5) + 12 = –3	**–3**	**1**	**B1** — Correct answer only.

Question 5 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
5(a)	HA, HB, HM CA, CB, CM TA, TB, TM	**All 9 combinations**	**2**	**B2** — For all 9 correct combinations with no extras. Award B1 for at least 4 correct combinations.
5(b)	2 + 5 = 7	**5/7**	**1**	**B1** — For 5/7 or equivalent.

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Question 6 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
6	6.80 ÷ 4 = 1.70 11.35 – (3 × 1.70) = 6.25 6.25 ÷ 5 = 1.25	**£1.25**	**3**	**M1** — For finding the cost of one notebook (£1.70). **M1** — For subtracting the cost of 3 notebooks from £11.35. **A1** — For £1.25, correct answer only.

Question 7 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
7(a)	Common difference = 4 4n – 1	**4n – 1**	**2**	**M1** — For 4n ± k, where k is an integer. **A1** — For 4n – 1 or equivalent.
7(b)	4n – 1 = 87 4n = 88, so n = 22	**87 is the 22nd term**	**1**	**B1** — For a valid demonstration: n = 22 is a positive integer, or a correct extension of the sequence to 87. An unsupported assertion is insufficient.

Question 8 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
8(a)	Draw the vertical line x = –3.	**Vertical line at x = –3**	**1**	**B1** — For a vertical line drawn at x = –3.
8(b)	((–3 + 5)/2, (2 – 4)/2)	**(1, –1)**	**1**	**B1** — Correct answer only.
8(c)	AB = $\sqrt{(8^2 + (-6)^2)}$ = 10 c – (–4) = 10	**c = 6**	**1**	**B1** — Correct answer only.

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Question 9 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
9	∠PSR = 360° – 245° = 115° ∠PST = 180° – 115° = 65° x = 180° – (2 × 65°)	**50°**	**3**	**M1** — For finding ∠PST = 65° using angles in a quadrilateral and on a straight line. **M1** — For using equal base angles in the isosceles triangle. **A1** — For 50° with the required formal reasons.

Question 10 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
10	P(4) = 0.15 300 × 0.15 = 45	**45**	**3**	**M1** — For identifying P(4) = 0.15. **M1** — For multiplying their probability by 300. **A1** — For 45, correct answer only.

Question 11 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
11(a)	3x – 5 > 10 3x > 15, so x > 5	**x > 5**	**2**	**M1** — For isolating 3x or dividing by 3. **A1** — For x > 5, correct answer only.
11(b)	Represent x > 5 on the number line.	**Open circle at 5; arrow right**	**1**	**B1** — For an open circle at 5 and a line/arrow pointing right.

Question 12 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
12	(10 + q)/2 = 11, so q = 12 Mode = 19, so r = 19 19 – p = 16, so p = 3	**p = 3** **q = 12** **r = 19**	**3**	**B1** — For q = 12. **B1** — For r = 19. **B1** — For p = 3.

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Question 13 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
13	Midpoints: 2.5, 7.5, 12.5, 17.5, 22.5 Σfx = 15 + 105 + 225 + 140 + 90 = 575 575 ÷ 50 = 11.5	**11.5 kg**	**3**	**M1** — For finding the class midpoints. **M1** — For calculating Σfx = 575. **A1** — For 11.5, correct answer only.

Question 14 · 2 marks

Q / part	Working / method	Answer	Marks	Marking guidance
14	5200×1.031^4 = 5875.407655…	**£5875.41**	**2**	**M1** — For the correct multiplier 1.031 used to the power 4. **A1** — For £5875.41, rounded to 2 decimal places.

Question 15 · 6 marks

Q / part	Working / method	Answer	Marks	Marking guidance
15(a)	$(2p^3)^5 = 2^5p^{15}$	**$32p^{15}$**	**2**	**B2** — For $32p^{15}$. Award B1 for $32p^k$ or kp^{15}.
15(b)	$8p^2 - 6p - p^2 + 4p$	**$7p^2 - 2p$**	**2**	**M1** — For expanding to at least 3 correct terms with correct signs. **A1** — For $7p^2 - 2p$, correct answer only.
15(c)	$4c = t - d$	**$c = (t - d)/4$**	**2**	**M1** — For correctly isolating the 4c term. **A1** — For $c = (t - d)/4$ or equivalent.

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Question 16 · 4 marks

Q / part	Working / method	Answer	Marks	Marking guidance
16	5x – 1 = 3x + 5 2x = 6, so x = 3 Height = 14 Area = 14 × 24	**336 cm^2**	**4**	**M1** — For equating opposite sides and isolating x. **M1** — For x = 3 and substitution to find the height (14). **M1** — For multiplying their height by 24. **A1** — For 336, correct answer only.

Question 17 · 4 marks

Q / part	Working / method	Answer	Marks	Marking guidance
17	720 ÷ 12 = 60 Tulips: 420; crocus: 180; daffodils: 120 168 + 120 + 90 = 378	**378 bulbs**	**4**	**M1** — For finding the value of one ratio share. **M1** — For finding the total number of at least one flower type. **M1** — For finding the yellow proportions and summing them. **A1** — For 378, correct answer only.

Question 18 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
18	600 – 432 = 168 (168/600) × 100 = 28	**28%**	**3**	**M1** — For finding the absolute difference in sales. **M1** — For a complete method to calculate percentage decrease. **A1** — For 28, correct answer only.

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Question 19 · 4 marks

Q / part	Working / method	Answer	Marks	Marking guidance
19(a)	90° anticlockwise about (0, 0): (x, y) → (–y, x)	**C has vertices (–1, 3), (–1, 5), (–2, 3)**	**2**	**B2** — For the correctly rotated triangle, labelled C.
19(b)	Centre (5, 1), scale factor 3: (x, y) → (5 + 3(x – 5), 1 + 3(y – 1))	**B has vertices (–1, 1), (–1, 4), (5, 1)**	**2**	**B2** — For the correctly enlarged triangle, labelled B.

Question 20 · 4 marks

Q / part	Working / method	Answer	Marks	Marking guidance
20	Shared side = $\sqrt{(15^2 - 9^2)} = 12$ $\sin 40° = 12/x$ $x = 12/\sin 40° = 18.6686…$	**18.7 cm**	**4**	**M1** — For applying Pythagoras to the top triangle. **A1** — For the shared side of length 12 cm. **M1** — For a correct trigonometric ratio using their shared side. **A1** — For a value which rounds to 18.7 cm.

Question 21 · 4 marks

Q / part	Working / method	Answer	Marks	Marking guidance
21(a)	Rain / no rain: 0.35 / 0.65 If rain: cancelled 0.8, not cancelled 0.2 If no rain: cancelled 0.1, not cancelled 0.9	**Correct probability tree**	**2**	**B2** — For all branch probabilities correct. Award B1 for 2 correct probabilities.
21(b)	(0.35 × 0.8) + (0.65 × 0.1) = 0.28 + 0.065	**0.345**	**2**	**M1** — For the complete method: calculating and adding the two cancellation pathways. **A1** — For 0.345, correct answer only.

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Question 22 · 5 marks

Q / part	Working / method	Answer	Marks	Marking guidance
22	Large semicircle: $(1/2)\pi \times 5^2$ Small semicircle: $(1/2)\pi \times 3^2$ Patio area = $12.5\pi - 4.5\pi = 8\pi$ Cost = $8\pi \times 24 \approx$ £603.19	**Yes: £603.19 is less than £1200**	**5**	**M1** — For finding the area of either semicircle. **M1** — For subtracting the semicircle areas. **A1** — For the correct patio area, 8π m^2 (approximately 25.13 m^2). **M1** — For multiplying their area by £24 per m^2. **A1** — For Yes with cost approximately £603.19 supporting the conclusion.

Question 23 · 4 marks

Q / part	Working / method	Answer	Marks	Marking guidance
23(a)	Scale factor = $18 \div 6 = 3$ $15 \div 3 = 5$	**DF = 5 cm**	**2**	**M1** — For finding the linear scale factor of 3. **A1** — For 5, correct answer only.
23(b)	$8 \times 3 = 24$	**BC = 24 cm**	**2**	**M1** — For multiplying the corresponding side by the scale factor. **A1** — For 24, correct answer only.

Question 24 · 3 marks

Q / part	Working / method	Answer	Marks	Marking guidance
24	$3y = 2x + 12$ $y = (2/3)x + 4$ Parallel gradient = 2/3 Intercept = 5	**y = (2/3)x + 5**	**3**	**M1** — For rearranging L_1 to find gradient 2/3. **M1** — For using the parallel gradient and given intercept. **A1** — For y = (2/3)x + 5 or equivalent.