



Question		Working	Answer	Mark	Notes
1(a) (i)			10	3	B1 cao
(ii)			13		B1 cao
1(b)			1½ blocks 1¼ blocks		B1 cao B1 cao
2(a)			17.8	1	B1 cao
2(b)			-2	1	B1 cao
2(c)			2.8	1	B1 cao
3(a)			One thousand three hundred and twenty six pounds	1	B1 cao
3(b)			504.47 2600	1 1	B1 cao B1 cao
4(a)			8	1	B1 cao
4(b)			7.5	2	M1 for ordering the 12 marks A1 for 7.5
4(c)				4	M1 for 9 – 5 A1 cao
5(a)			97	1	B1 cao
5(b)			London & Reading	1	B1 cao
5(c)		41 + 57 + 58	156	3	B1 for 2/3 correct distances M1 for 41 + 57 + 58 A1 cao

Question		Working	Answer	Mark	Notes
6(a)			C and G	2	B1 for C and G
6 (b)			A and E B and D	2	B1 for A and E B2 for B and D (B1 for B or D)
7(a)			Kg	3	B1 cao
7(b)			Litre		B1 cao
7(c)			Inch		B1 cao
			40	1	B1 cao
			1500	1	B1 cao
8		$1 - 0.995 = 0.005$ $0.005 \times 10\ 000$	1H, 2H, 3H, 4H, 5H, 1T, 2T, 3T, 4T, 5T	2	B2 for all 10 outcomes (B1 for at least 5 correct outcomes)
9(a)			Wednesday	2	B1 cao
9(b)		$30 + 50 + 70 + 170$	Friday 320	2	B1 cao M1 for $30 + 50 + 70 + 170$ A1 cao
10(a)			Acute	1	B1 cao
10(b)			Reflex	1	B1 cao
10(c)			$120 + 230 \neq 360$	1	B1 cao
10(d)(i)		$180 - 50$	130	3	M1 for $180 - 50$ A1 cao
(ii)			Sum of the angles on a straight line = 180		B1 for a correct reason

Question	Working	Answer	Mark	Notes
11(a)	$20 \div 5$	4	1	B1 cao
11(b)	$3 + 6$	9	1	B1 cao
11(c)	7×3	21	1	B1 cao
12	$4x - 13 = 47$ $4x = 60$	5	3	M1 for $4x - 13 = 47$ oe M1 for $4x = 60$ oe A1 cao
13(a)(i) (ii)		23 Times by 2, then take 1	2	B1 cao B1 for a correct method
13(b)		even	1	B1 cao
13(c)(i) (ii)		pattern 62	3	B1 for a correct pattern M1 for $20 \times 3 + 2$ oe A1 cao
14(a)	$100 - 23 - 35 - 10$	32	2	M1 for $100 - 23 - 35 - 10$ A1 cao
14(b)	$20 \div 10 = 2$ pens /% 35×2	70	2	M1 for $20 \div 10 = 2$ pens /% M1 for $35 \times '2'$ A1 cao
*15	LCM of 6, 8 and 12 is 24 $08\ 00 + 24$	08 00 on the following day	3	M1 for trying to find the LCM oe A1 for 24 C1 for 08 00 on the following day [Note: 08 00 only is not enough for the C mark]

Question	Working	Answer	Mark	Notes
16	$95 \times 35 \times 30 = 99750$ $65 \times 35 \times 45 = 102375$	B holds the most water since $102375 > 99750$	3	M1 for $95 \times 35 \times 30 (= 99750)$ or $65 \times 35 \times 45 (= 102375)$ A1 for both volumes correct C1 ft for a correct comparison of their volumes
*17	$242 \times 0.88 = 275$ $275 - 242$	32	3	M1 for considering $3 \times k$ where k is a multiple of 5 or for considering $5 \times k$ where k is a multiple of 3, oe A1 for a correct combination where the cost totals 100 C1 for $30 \text{ basic} + 2 \text{ scientific} = 32$ calculators
18(a)	$840 \times 60/100$	504	32	M1 for $840 \times 60/100$ A1 cao
18(b)	$100 \times 480/600 = 80\%$	$15 - 21$	3	M1 for $100 \times 480/600$ A1 for 80 A1 ft for $15 - 21$
19(a)(i)		Vertical line through (3, 0)	3	B1 cao
(ii)		Horizontal line through (0, -1)		B1 cao
(iii)		Line through (0,0), (1, 2), etc.		B1 cao
19(b)			3	B3 for a line from (-1, -5) to (4, 5) (B2 for a line through (0, -3) of grad 2 or for at least 5 correctly plotted points. B1 for any single line: through (0, -3) or grad 2, or for two correctly plotted points or a table of values with at least 3 correct y-entries)

Question	Working	Answer	Mark	Notes
20	$2x + 10 = 17 - 3x$ $2x + 3x = 17 - 10$ $5x = 7$	7/5 oe	5	B1 for $2x + 10$ seen M1 for $2x + 3x = 17 - 10$ A1 for 7/5 oe
*21	$80 \times 2.5 = 200$ not enough flour $60 \times 2.5 = 150$ almonds ok $90 \times 2.5 = 225$ sugar ok $60 \times 2.5 = 150$ butter ok $4 \times 2.5 = 10$ not enough pears	More flour and pears needed	4	M1 for use of 2.5 oe A2 for answers of 200,150, 225, 150, 10 (A1 for any one answer) C1 ft for identifying the need for more flour and pears backed up from their results.
22	$14059 - 12967 = 1092$ $1092 \times 0.44 = 480.48$ $480.48 \div 12$	40.04	5	M1 for $14059 - 12967$ M1 for ' 1092 ' $\times 0.44$ oe M1 for ' 480.48 ' $\div 12$ M1 for correct conversion to pounds A1 cao
23	$\frac{1}{2} \times 5 \times 12 + 9 \times 8$	102	4	M1 for splitting into sensible shapes; triangles, rectangles or trapezia M1 for a correct method to find one of the composite shapes A2 cao (A1 for one correct area)
24	$24000 \div 1.45 = \text{£}16551.72$ $+ \text{£}900 = \text{£}17451.72 = \text{total costs}$ $\text{£}17451.72 \times 1.20$	20 942.07	3	M1 for $24000 \div 1.45$ M1 for (' $\text{£}16551.72$ ' + $\text{£}900$) $\times 1.20$ A1 cao

Question	Working	Answer	Mark	Notes
25(a)	$3x + 6 = 4$ $3x = -2$	$-2/3$	2	M1 for $3x + 6 = 4$ A1 for $-2/3$ oe
25(b)	$3x/2 = 12$ $3x = 24$	8	3	M1 for $3x/2 = 12$ or $3x - 10 = 14$ M1 for $3x = 24$ A1 cao

Quest.	Topic/name	AO1	AO2	AO3	Total	FE	Nu	ManAI	NonManAI	G	S	Total1	Low	Mid.	High	Total
1	Books	4			4						4	4	4			4
2	Measures	3			3	1				3		3	3			3
3	Cheques	3			3	3	3					3	3			3
4	Averages	5			5						5	5	5			5
5	Mileage	2		3	5	5	2				3	5	5			5
6	Cubes	4			4					4		4	4			4
7	Units	5			5					5		5	5			5
8	Spinner		2		2						2	2	2			2
9	TV	4			4						4	4	4			4
10	Angles	6			6					6		6	6			6
11	Equations	3			3			3				3	2	1		3
12	Imran		3		3			3				3		3		3
13	Patterns	3	3		6				6			6	3	3		6
14	pens	2	3		5		5					5	2	3		5
15	Hospital		3		3		3					3		3		3
16	Fish tanks			4	4	4				4		4		4		4
17	Calculators		3		3		3					3		3		3
18	Holiday	2		3	5	5	5					5		2	3	5
19	Graphs	3	3		6				6			6		3	3	6
20	Hard Eqn	3			3			3				3			3	3
21	Recipe			4	4	4	4					4			4	4
22	Gas bill		3	2	5	5	5					5			5	5
23	Area		4		4					4		4			4	4
24	Car Sales		3		3	3	3					3			3	3
25	LH/Rhand		2		2						2	2			2	2
	Totals	52	32	16	100	30	33	9	12	26	20	100	48	25	27	100
	Percentage	52.0	32.0	16.0	100.0	30.0		AI:	21				48.0	25.0	27.0	
	Foundation % target:	40-50	30-40	15-25		30-40						Target %:	50	25	25	
	Higher % target:	40-50	30-40	15-25		20-30										