Question	Working	Answer	Mark	Notes
1(a)		36	1	B1 cao
1(b)	24 – 15	9	2	M1 for 24 – 15 A1 cao [B1 for either 24 or 15 vseen if M0 scored]
1(c)		1 ½ patterns 2 ¼ patterns	2	B1 for April B1 for May
2(a)		1207	1	B1 cao
2(b)		Forty thousand and ten	1	B1 cao
2(c)		6000 6 thousand	1	B1 cao
3	10 – (0.90x2 + 1.4x3 + 1.5) 10 – 7.50	2.50	3	M1 for 0.90x2 + 1.4x3 + 1.5 M1 for 10 – "7.50" A1 cao
4(a)		F	1	B1 cao
4(b)		B, D	1	B1 cao
5(a)		46	1	B1 cao
5(b)		3.4	1	B1 cao
5(c)		Diagram	1	B1 cao
5(d)		Diagram	1	B1 cao

Question	Working	Answer	Mark	Notes
6(a)		Sydney	1	B1 cao
6(b)		5	1	B1 cao
6(c)		-21	1	B1 cao
6(d)		4.5	2	M1 for $(12 + -3)/2$ or for a drawn number line from at least -3 to 12 A1 cao
7(a)		Portland	1	B1 cao
7(b)		Frequencies of 3, 3, 4, 1, 1	2	B2 for a fully correct tally chart (condone omission of tallies) [B1 for 2 correct frequencies]
7(c)		Bristol, Ipswich, Lincoln, London, Oxford, Peterborough	2	B2 for all 6 places [B1 for 4 out of no more than 6 places quoted]
8		(see table below)	3	B3 for fully correct table [B2 for 2 or 3 correct new entries B1 for one new correct entry]
9(a)		1590	1	B1 cao
9(b)		0.24	1	B1 cao
9(c)		25 000	1	B1 cao
9(d)		0.007	1	B1 cao

Question 8 table:

T				
26	S			
70	**44**	Wg		
109	83	39	Wo	
137	111	**67**	28	T

Question	Working	Answer	Mark	Notes
10	2/3 = 16/24 5/8 = 15/24	5/8	3	M1 for an attempt to convert to fractions with a common denominator or two identical diagrams with an attempt at shading the fractions A1 for 16/24 and 15/24 or correct diagrams C1 for 5/8 backed up by correct working
11(a)		13 50	1	B1 cao
11(b)		2 hours	1	B1 cao
11(c)		Left town at 16 00, after 0.5 km stopped for 30 mins, then carried on arriving home at 17 30	2	B1 for either 16 00 or 17 30 seen B1 for 'stopped for 30 mins' oe
12		<table><tr><td>Veh</td><td>Tally</td><td>Freq</td></tr><tr><td>SC</td><td></td><td></td></tr><tr><td>LC</td><td></td><td></td></tr><tr><td>V</td><td></td><td></td></tr><tr><td>O</td><td></td><td></td></tr></table>	3	B1 for eac of the following aspects: All 4 types shown Tally oe means of recording Frequency oe method of totalling
13(a)		Box of dimensions 42cm x 32cm x 24cm	3	B3 for a cuboid box with correct dimensions [B2 for 2 correct dimensions that would just fit the tins, B1 for just one correct dimension]
13(b)	140 x72 280 9800	10080	3	M1 for a complete method to work out 140 x 72 A1 for correct products, condone one multiplication error (ignore any error in addition) A1 cao

Question	Working	Answer	Mark	Notes
14(i) (ii)	30 x 15 =	450 9	3	M1 for 30 x 15 A1 cao B1 ft for 9
15(a) 15(b)(i) (ii)		6 4 + 5 x (2 + 3) (4 + 5) x (2 + 3)	1 2	B1 cao B1 cao B1 cao
16	5000 x 4 x 5 ÷ 100	1000	3	M1 for 5000 x 4 ÷ 100 (= 200) M1 for '200' x 5 A1 cao
17(a)	€239.99 ≈ €240 = £200 $279.95 ≈ $280 ≈ £185	American website since 185 < 200	4	M1 for reading using either graph to convert any factor of either €240 or $280 into pounds or an attempt to find either conversion factor A1 for any correct conversion factor or £200 or £185 (±£4) A1 for both £200 and £185 (±£4) C1 for 'American website since 185 < 200' oe
17(b)	£100 = €120 £100 = $150 150/120	1.25	2	M1 for 150/120 oe A1 for 1.25 (±0.04) [B1 for 0.8 if M0 scored]
18(a) 18(b) 18(c)		2 Negative 2.6 to 2.9	1 1 2	B1 cao B1 cao B2 for answer in the range 2.6 to 2.9 [B1 for a line of best fit drawn if answer outside this range]

Question	Working	Answer	Mark	Notes
19(a)		Triangle at (1, -1), (3, -1), (1, -4)	1	B1 cao
19(b)		Enlargement, scale factor 3 about (0, 0)	3	B1 for enlargement B1 for scale factor of 3 B1 for centre (0, 0) oe
20(a)	(9 + 6) x 12	180	2	M1 for (9 + 6) x 12 A1 cao
20(b)	(156 ÷ 12) – 6	7	2	M1 for (156 ÷ 12) – 6 A1 cao
20(c)		$C = 12(n + 6)$	3	B3 for a fully correct formula [B2 for $12(n + 6)$ or $C = 12(n + k)$ Or $C = p(n + 6)$ B1 for $12n$ or $(n + 6)$ seen]
21(a)	180 x 2 = 360	Proof	2	M1 for splitting the quad into two triangles C1 for stating 180 x 2 = 360
21(b)	(180 – 120)/2	30	2	M1 for (180 – 120)/2 A1 cao
21(c)	360 – 54 – 108 – (180 – 30)	48	2	M1 for 360 – 54 – 108 – (180 – '30') A1 cao

Question	Working	Answer	Mark	Notes
22(a)		Biased sample	1	B1 for 'biased sample" oe
22(b)		Eg: stopping the 1st 100 people in the town centre OR knock on 100 doors in the local area	1	B1 for an acceptable method
22(c)		How many times in a month would you use the swimming pool? 0 1–3 4–5 6+	2	B1 for including a time period in an appropriate question B1 for at least 3 non-everlapping response boxes.
23		Correct region shaded	3	B1 for $y = 2$ draw B1 for a circle, radius 3cm, centre C drawn B1 for correct region
24	240 ÷ 8 = 30 Ann = 30 x 3 = 90 Bob = 30 x 5 = 150 90 ÷ 2 + 150 ÷ 10 = 60 OR Ann = 3/8 Bob = 5/8 3/8 x ½ + 5/8 x 1/10 3/16 + 5/80 = 15/80 + 5/80	60/240 (= ¼)	4	M1 for 240 ÷ 8 = 30 M1 for 30 x 3 (= 90) or 30 x 5 (= 150) M1 for '90' ÷ 2 + '150' ÷ 10 A1 cao OR M1 for 3/8 or 5/8 M1 for 3/8 x ½ + 5/8 x 1/10 M1 for 3/16 + 5/80 A1 cao
25(a)		$12x + 18$	1	B1 cao
25(b)		$3y + 2z$	2	B2 cao [B1 for $3y$ or $2z$