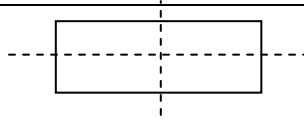
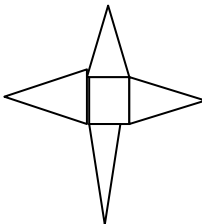


Question	Working	Answer	Mark	Notes
1(a)		4002	1	B1 cao
1(b)		70	1	B1 cao
1(c)		2600	1	B1 cao
1(d)(i) (ii)		25.7 30	2	B1 cao B1 cao
2(i)		65	1	B1 cao
(ii)		160	1	B1 cao
(iii)		32	1	B1 cao
3(a)		12	1	B1 cao
3(b)		7	1	B1 cao
3(c)		Bar graph	2	B2 cao [B1 for each correct bar]
3(d)		History marks higher/Geog harder test	1	B1 for History marks higher/Geog harder test, oe

Question	Working	Answer	Mark	Notes
4(a)		Differences increase by 1 (for 7) Powers of 2 (for 8)	2	B1 for a correct explanation of each sequence
4(b)		4 dots, 6 dots, 4 dots	1	B1 cao
4(c)		1, 8, 11, <b>14, 17</b>	2	B2 cao [B1 for each correct entry]
5(a)		A and G C and E	2	B1 cao B1 cao
5(b)(i)		Arrows on top and bottom lines	3	B1 cao
(ii)		R on top left or bottom left angle		B1 for either right angle correctly labeled
(iii)		Acute		B1 cao
6	$10/100 \times 12000 = 1200$ $12000 \div 4 = 3000$ $12000 - 1200 - 3000$	7800	3	M1 for $10/100 \times 12000$ or $12000 \div 4$ , oe M1 for $12000 - '1200' - '3000'$ A1 cao
7(i)		Cardiff and Edinburgh	3	B1 cao
(ii)	$-6 - (-7)$	1		M1 for $-6 - (-7)$ A1 cao
8	$4.5 \times 40 + 30$ $= 180 + 30$	180	2	M1 for $4.5 \times 40 + 30$ A1 cao

Question	Working	Answer	Mark	Notes
9(a)		6	1	B1 cao
9(b)		20	1	B1 cao
9(c)		24	1	B1 cao
10(a)		4130	1	B1 cao
10(b)		0.24	1	B1 cao
10(c)		162	2	M1 for a fully correct method A1 cao
10(d)		9690	2	M1 for a fully correct method, condone one multiplication error A1 cao
11(a)	2min 40 s x 5 = 13min 20s 13m 20 s + 10 x 2 = 33m 20s 12 30 + 33	13 03	4	M1 for 2min 40 s x 5 (= 13min 20s) M1 for '13m 20s' + 10 x 2 A1 for 33min 20s, oe A1 cao
11(b)	918 ÷ 12 76 r 6 (= 76.5)	76.5	3	M1 for 918 ÷ 12 A1 for 7 r 6 A1 for 76.5 [accept 76 or 77]

Question	Working	Answer	Mark	Notes
12(a)		18 to 20	1	B1 for answer in range 18 to 20
12(b)		4.4 to 4.6	1	B1 for answer in range 4.4 to 4.6
12(c)	Eg. 10ft = 3m 30000 ÷ 10 x 3	9000	3	M1 for a correct reading to find a conversion factor M1 for correct application of conversion factor A1 for answer in range 8500 to 9500
13(a)			2	B2 cao [- B1 for each error or extra line]
13(b)			3	B 3 for a fully complete tiled floor with rot symm of order 2 [B2 for floor with rot symm of order 2 B1 for at least 2 correct additional tiles]
14			3	B3 for an accurate net [B2 for a net with 1 square and 4 isos triangles with error in dimensions B 1 for a square and 4 any sized triangles]
15(a)		12, 4, 4	2	M1 for a cuboid with all dimensions of even value A1 for correct possible dimensions
15(b)	8 x 24	192	2	M1 ft for 'length' x 'width' x 'height' A1 cao

Question	Working	Answer	Mark	Notes
16(a)	$360/30 \times 5$	60	2	M1 for $360/30 \times 5$ A1 cao
16(b)	$60/360$	$1/6$	2	B2 cao [B1 for $?/360$ or $60/?$ oe]
17(a)	$45/100$	$9/20$	2	M1 for $45/100$ A1 cao
17(b)	$(400 - 308)/2 + 1$	47	2	M1 for $(400 - 308)/2$ or 46 seen A1 cao
17(c)		$2n - 1$	2	B2 cao [B1 for $2n \pm k$ where $k \neq -1$ ]
18(a)		$4\ 5\ 6\ 7\ 8$ $5\ 6\ 7\ 8\ 9$ $6\ 7\ 8\ 9\ 10$	2	B2 for a fully correct table [B1 at least 5 correct entries]
18(b)	$P(7 \text{ or } 8) = 7/24$ $P(9 \text{ or } 10) = 3/24$ $7/24 \times 360 \times 1 = 105$ $3/24 \times 360 \times 2 = 90$ Takings = $360 \times 0.5 = 180$	A loss of £15	5	M1 for $P(7 \text{ or } 8) \{= 7/24\}$ or $P(9 \text{ or } 10) \{= 3/24\}$ oe M1 for ' $7/24$ ' $\times 360 \times 1 (= 105)$ or ' $3/24$ ' $\times 360 \times 2 (= 90)$ M1 for $360 \times 0.5 (= 180)$ A1 for 180 and 195 seen C1 for 'a loss of £15' oe
19(a)		21	1	B1 cao
19(b)	$2x + 4 = 6(x - 1)$ $2x + 4 = 6x - 6$ $10 = 4x$	2.5	3	M1 for $2x + 4 = 6(x - 1)$ M1 for $4 + 6 = 6x - 2x$ A1 cao

Question	Working	Answer	Mark	Notes
20	$9 \times 8 + \frac{1}{2} \times 5 \times 12$	102	4	M1 for splitting M1 for either $9 \times 8$ or $\frac{1}{2} \times 5 \times 12$ oe M1 for $9 \times 8 + \frac{1}{2} \times 5 \times 12$ A1 cao
21(a)		Vague response boxes Question does not include a time period	2	B1 for a correct criticism of the question B1 for a correct criticism of the response boxes
21(b)		How many times a month do you go to a restaurant? 0 1 – 3 4 – 5 6+	2	B1 for a relevant question inc. time period B1 for at least 3 non-overlapping response boxes
21(c)		A leading question Restricted/biased sample	2	B1 for a ‘leading/biased’ question oe B1 for ‘small/biased’ sample oe
22(a)	$19.5 + 19.5/5$	23.40	3	M1 for $19.5/5$ M1 for $19.5 + 19.5/5$ oe A1 cao
22(b)	$72 \div 6 = 12$ $12 \times 2$	24	3	M1 for $72 \div 6$ M1 for ‘12’ x 2 A1 cao