Question	Working	Answer	Mark	Notes
1(a)(i) (ii)		Cylinder Cuboid	2	B1 cao B1 cao
1(b)(i) (ii) (iii)		5 9 6	3	B1 cao B1 cao B1 cao
2(a)(i) (ii) (b)		8 26 Pictogram: 4 faces and 2.5 faces	2 2	B1 cao B1 cao B1 cao B1 cao
3(a)		Plot	1	B1 cao
3(b)		(-2, 1)	1	B1 cao
3(c)		(0, 2.5)	2	B2 cao [B1 for each correct coordinate, or (2.5, 0)]
4(a)		2.90	1	B1 cao
4(b)		£1, 50p, 20p, 1p, 1p	2	B2 for any 5 coins totaling £1.72 [B1 for any number of coins totaling £1.72]
4(c)	£2 + £1 + 50p + 20p + 10p + 5p + 2p + 1p	£3.88	2	M1 for identifying all current coins A1 for £3.88 [B1 for a correct total when one coin is omitted]

Question	Working	Answer	Mark	Notes
5(a)(i) (ii)		-7, -2, 0, 1, 3 0.017, 0.17, 0.7, 1.7, 7	2	B1 cao B1 cao
5(b)(i) (ii)		10.24 3.72	3	B1 cao B1 cao
6(a)(i) (ii)		Km g	2	B1 cao B1 cao
6(b)(i) (ii)		50 4	2	B1 cao B1 cao
7		Dual bar chart, comparative pie charts, Pictogram, etc	4	B1 for a suitable diagram showing correct boys info B1 for a suitable diagram showing correct girls info C1 for all labels on each diagram C1 for a key (oe) distinguishing between boys and girls
8(aq)	17.15 + 1.15 + 2.50 – 1.00	20 20	3	M1 for 17.15 + 1.15 or 17.15 + 2.50 or 17.15– 1.00 M1 for 17.15 + 1.15 + 2.50 – 1.00 A1 cao
8(b)	228 ÷ 3	76	3	M1 for 1 – 2/3 M1 for 228 ÷ 3 A1 cao
9(a)(i) (ii)	360 – 90 – 45 – 122	103 Sum of the angles at a point is 360	2	B1 cao B1 for 'sum of the angles at a point is 360' oe
9(b)(i) (ii)		137 29	3	B1 cao M1 for 180 – 108 – 43 A1 cao

Question	Working	Answer	Mark	Notes
10(a)		3, 7, 3, 5, 2	2	B2 for fully correct table [B1 for at least 2 correct frequencies]
10(b)		2	1	B1 cao
10(c)	56/20	2.8	3	M1 for summing the data (=56) M1 for division by 20 A1 cao
11(a)		$11m$	1	B1 cao
11(b)		p^2	1	B1 cao
11(c)		$11x + 17y$	2	B2 cao [B1 for $11x$ oe or $17y$ oe]
11(d)		$5w + 30$	1	B1 cao
12(a)	$500 \div 35 = 14.285\ldots$ = over 2 weeks	Yes, since 14.285.. is more than two weeks	3	M1 for $500 \div 35$ A1 for 14.285… C1 for a correct conclusion from '14.285…'
12(b)	130/2000 x 100	6.5	2	M1 for 130/2000 x 100 A1 cao
12(c)	23 x 7 x 30	4830 cm^3	3	M1 for 23 x 7 x 30 A1 cao B1 ft for correct units

Question	Working	Answer	Mark	Notes
13(a)	210/10 + 450/18 + 1320/12 = 21 + 25 + 110	£1.56	3	M1 for 210/10 or 450/18 or 1320/12 M1 for 210/10 + 450/18 + 1320/12 A1 cao
13(b)	LC M of 10, 18 and 12 = 180	180	3	M1 for attempting to find a multiple of 10, 18 and 12 M1 for LCM A1 cao
14(i) (ii)		X at ¼ X at ¾	3	M1 for a sample space of TT TH HT HH oe A1 for X at ¼ A1 for X at ¾
15	<table><tr><td></td><td>Sw</td><td>Ath</td><td>Ten</td><td>Tot</td></tr><tr><td>B</td><td>9</td><td>17</td><td>7</td><td>33</td></tr><tr><td>G</td><td>10</td><td>12</td><td>15</td><td>37</td></tr><tr><td>Tot</td><td>19</td><td>29</td><td>22</td><td>70</td></tr></table>	1/10	4	B3 for a fully correct 2-way table [B2 for ate least 3 new pieces of information quoted, B1 for 1 or 2 new pieces of information quoted] B1 for 1/10 oe
16(a)(i) (ii) (iii)		8 cm 45° 4 cm	3	B1 cao B1 cao B1 cao
16(b)	½ (16 + 24) x 8	160	2	M1 for ½ (16 + 24) x '8' A1 ft
17(i) (ii)	3x6 + 5x2 = 18 + 10 3x5.8 - 5x3.4 = 17.4 – 17	28 0.4	1 2	B1 cao M1 for 3 x 5.8 – 5 x 3.4 A1 cao

Question	Working	Answer	Mark	Notes
18	570 ÷ 53 = 10.75.. = 11 drops 1200 ÷ 280 = 4.28.. = 4 drops per roll 11 ÷ 4 = 3.74 = 4 rolls 12.45 x 4	49.80	5	M1 for 570 ÷ 53 (= 10.75.) M1 for 1200 ÷ 280 (= 4.28.) C1 for 11 drops or 4 drops per roll C1 for 4 rolls required from correct arithmetic A1 for 49.80
19(a)		$p(p + 1)$	1	B1 cao
19(b)	$4x - 12 - 2 + 2x$	$6x - 14$	3	M1 for $4x - 12 - 2 + 2x$ A1 cao
20	35240 – 6475 = 28765 28765 ÷ 5 = 5753 tax 5753 ÷ 12 = 479.4166…	479.42	4	M1 for 35240 – 6475 (= 28765) M1 for 28765 ÷ 5 oe (= 5753) M1 for '5753' ÷ 12 A1 for 479.41 or 479.42
21(a)	Delivery charge = £45 Atlas = 649 + 45 = £694 Delivery charge = 2.5 x 26 = £65 Simpsons = 629 + 65 = £694	The same price from both shops	5	B1 for reading from the graph of 43 to 47 M1 for Atlas = 649 + 45 (= £694) M1 for 2.5 x 26 (= £65) A1 for 692 to 696 and 694 C1 for a correct conclusion from their costs.
21(b)		Delivery charge = $4 + 1.5x$ where x = number of miles	2	B1 for a standing charge of £4 B1 for £1.50/mile