Question		Working	Answer	Mark	Notes
1(a)			19 or 20	1	B1 for 19 or 20
1(b)		09 30 + 2 50	12 20	2	M1 for 09 30 + 2 50 oe A1 cao
1(c)			4^{th} Oct	1	B1 for 4^{th} Oct (4/10) oe
2(a)			Scale is missing 1 No label on one colour	2	B1 for scale is missing 1 B1 for no label on one colour
2(b)			Yellow bar 4 high Green bar 2 high	2	B1 cao B1 cao
2(c)			Blue	1	B1 cao
2(d)		3 + 5 + 4 + 2	14	1	B1 cao
2(e)			3/14	1	B1 cao
3(i)			16	1	B1 cao
(ii)			35	1	B1 cao
(iii)			5 and 20	1	B1 cao
(iv)			12 and 35 or 20 and 27	1	B1 for 12 and 35 or 20 and 27

Question		Working	Answer	Mark	Notes
4			Kg, litres, inches	3	B1 for each correct unit
5(a)			$5c$	1	B1 cao
5(b)			$4e + 3f$	1	B1 cao
5(c)			$9a$	1	B1 cao
5(d)			xy	1	B1 cao
6(i)			15.625	1	B1 cao
(ii)			8.3	1	B1 cao
7		94 ÷ 8 = 11.75 16.95 × 12 = 203.40 16.95 × 11 = 186.45 94 – 8 x 11 = 6 2.99 x 6 = 17.94 17.94 + 186.45 = 204.39	203.40 is less than 204.39 so Georgina buys 12 boxes.	5	M1 for 16.95 × 12 (= 203.40) or 16.95 × 11 (= 186.45) M1 for 2.99 x '94 – 8 x 11' (= 17.94) M1 for '17.94' + 186.45 A1 for 203.40 and 204.39 C1 for '203.40 is less than 204.39 so Georgina buys 12 boxes' oe
8(a)			Trapezium	1	B1 cao
8(b)			(2, 3)	1	B1 cao
8(c)			Isosceles	1	B1 cao
8(d)			Btm right vertex of A	1	B1 cao

Question		Working	Answer	Mark	Notes
9(a)(i)			11	2	B1 cao
(ii)			16		B1 cao
9(b)			Vertical and horizontal lines of symmetry	2	B2 for correct lines [B1 for one correct line, condone extra lines]
9(c)			12	2	M1 for 6 x 2 oe A1 cao [B1 for 9 if M0 scored]
10(a)		8/2	4	1	B1 cao
10(b)		7 + 4	11	1	B1 cao
11(a)			A at top rt + btm rt	2	B2 for both points correctly labeled and no extra [B1 for 1 correct point, condone 1 incorrect extra point]
11(b)		2 x 2 x 2	8	2	M1 for 2 x 2 x2 A1 cao
12(a)		100 - [50x0.1 + 20x0.2 + 15x0.5 + 10x1 + 4x5 + 1x10]	43.50	3	M1 for 50x0.1 + 20x0.2 + 15x0.5 + 10x1 + 4x5 + 1x10 M1 for 100 – ’56.50’ A1 cao
12(b)(i)		20/100	1/5	4	M1 for 20/100 oe A1 for 1/5 oe
(ii)		(4+1)/100	1/20		M1 for (4+1)/100 A1 for 1/20 oe

Question		Working	Answer	Mark	Notes
13		1/3 + 2/9 = 3/9 + 2/9 = 5/9 1 – 5/9 = 4/9 1/9 = 32 ÷ 4 = 8 9/9 = 8 x 9 = 72 72 ÷ 9 × 2	16	4	M1 for 1/3 + 2/9 M1 for 1 – '5/9' (= 4/9) M1 for '72' ÷ 9 × 2 A1 cao
14		Area of rect = 15 x 7 = 105 Area of triangle = ½ x (15 – 9) x (7 – 4) = 9 105 – 9	96	5	M1 for 15 x 7 (= 105) B1 for (15 – 9) or (7 – 4) M1 for ½ x (15 – 9) x (7 – 4) = 9 M1 for '105' – '9' A1 cao
15(i) (ii)			Graph 7000 to 8000 (not inc.)	4	B1 for all points correctly plotted B1 ft for a smooth curve joining their 6/7 plottedpoints M1 for line from 6 yrs to meet graph + horizontal line to vertical axis oe A1 for 7000 to 8000 (not inc.)
16(a) 16(b)		3.50+12.25+2.8+4.50+7.85+7.85+2.80+12.25+2.10 = 55.90 55.90 + 5.59 7.85 x 1.06	61.49 8.32	4 3	M1 for 3.50+12.25+2.8+4.50+7.85+7.85+2.80+12.25+2.10 M1 for '55.90' x 0.1 oe A1 for 5.59 A1 cao M2 for 7.85 x 1.06 [M1 for 7.85 x 6/100] A1 for 8.32 or 8.33

Question		Working	Answer	Mark	Notes
17(a)(i) (ii)			13 Add 3	2	B1 cao B1 for 'add' 3 oe
17(b)			31	1	B1 cao
17(c)			$3n - 5$	2	B2 for $3n - 5$ [B1 for $3n \pm k$, where $k \neq -5$]
18(a)			0 | 5 7 8 8 1 | 0 0 0 0 2 4 5 5 6 2 | 0 0 0 4 5 3 | 3 5 Key: 3 | 5 = 35	3	B2 for fully correct diagram [B1 for ordered leaves with one error or omission or a complete unordered diagram] B1 for a correct key
18(b)		35 – 5	30	2	M1 for 35 – 5 A1 cao
18(c)		(14+15)/2	14.5	1	B1 cao
19			Straight line from (-2, 7) to (4, -5)	3	B3 for a line drawn from (-2, 7) to (4, -5) [B2 for a single line of gradient -2 or passing through (0, 3) or for 6/7 correctly plotted points OR B1 for 2 or 3 correctly plotted points]
20		**T-Shirts-R-Us** 3 lots of 8 @ 12 x 5 per lot + 2 lots of 3 @ 12 x 2 per lot = 60x3 + 24x2 = 180 + 48 = 228 **Budget Shirt Co** 12 x 1/3 = 4 12 – 4 = 8 30 x 8 = 240	T-Shirts-R-Us since 228 < 240	5	M1 for 30 = 3x8 + 2x3 oe M1 for 60x3 + 24x2 (= 228) M1 for 12x2/3 x 30 oe A1 for 228 and 240 C1 for T-Shirts-R-Us since 228 < 240 oe

Question		Working	Answer	Mark	Notes
21		30 mph = 30x8/5 = 48 km/h Speed of car = 150/12=12.5 m/s 12.5 x 3600/1000 = 45 km/h OR Speed of car = 150/12=12.5 m/s 12.5 x 3600/1000 = 45 km/h 45 x 5/8 = 28.125 mph	No, since 45 < 48 OR No, since 28.125 < 30	5	M1 for 30 x 8/5 (= 48) M1 for 150/12 M1 for '12.5' x 3600/1000 A1 for 48 and 45 C1 for 'No, since 45 < 48' OR M1 for 150/12 M1 for '12.5' x 3600/1000 M1 for '45' x 5/8 A1 for 48 and 45 C1 for 'No, since 28.125 < 30'
22		(1 – 0.46 – 0.28) ÷ 2 × 500	65	4	M1 for 1 – 0.46 – 0.28 A1 for $x = 0.13$ M1 for 0.13 x 500 A1 cao