Paper 1MA1: 2F	: 2F			
Question	Working	Answer		Notes
1		0002	B1	cao
2		5°C,2°C, 3°C, 7°C, 10°C	B1	correct order
3		$\frac{3}{40}$	M1	$\frac{75}{1000} \text{ oe}$
			A1	
4		625	B1	cao
5	720 000 ÷ 3	240 000	P1 A1	for division by 3 cao
6 (a)		1 hr 4 mins	B1	cao
(b)		No + explanation	B1	for no + explanation, eg the 0717 from Swindon takes less than one hour

Paper 1MA1: 2F	A1: 2F			
Question	Working	Answer		Notes
7	$2 \times £1.10 (= £2.20)$ $3 \times £0.95 (= £2.85)$	3.16	P1	for process of working out total cost of coffees or teas or sandwiches in pence or pounds
	$5 \times £2.15 (= £10.75)$ £2.20 + £2.85 + £10.75		P1	for process of finding total cost using consistent units
	£15.80 ÷ 5		P1 A1	for process of dividing by 5 cao
(a)		Banana	B1	cao
(b)		20	B1	cao
(c)		explanation	C2	for full explanation, eg table shows exactly ½; pie chart shows less than ½ as angle is less than
				(C1 for partial explanation or reference to just pie chart or just table)
6		No + explanation	CI	No, with explanation, eg the angle will still be 25°
10 (a)		6.4 - 6.6	B1	for 6.4 – 6.6
(b)		8.6	B1	for 9.75 – 9.85
(c)		5, 9	B1	сао

Paper 1MA1: 2F				
Question	Working	Answer		Notes
(a)		rule stated	C1	for rule stated, eg number doubles
(b)		32	B1	cao
(c)		22, 29	B1	cao
		8.0	P 2	for process to find amount of soup put in bowls, eg 24×0.3 or amount of soup when 8 pints are shared between 24 bowls, eg $24 \div 8$
			PI A1	tor complete process to find amount of soup left over
		46	M1 M1 A1	for process to find value after 1 year for process to find value after 4 years cao
		3p	M1 A1	for method to find gradient of line for 3p oe

Paper 1MA1: 2F	I: 2F			
Question	Working	Answer		Notes
15 (a)		10	P1	for process to find number of people that Ellie can make mousse for using the sugar available
			P1	for process to find number of people that Ellie can make mousse for using the chocolate
			A1	available for correct answer with supportive working
(q)		correct explanation	C1	for "can only make mousse for 6 people" oe
16		8	B1	cao
17 (a)		4x + 6y	M1 A1	for $4x$ or $6y$ for $4x + 6y$ or $2(2x + 3y)$
(b)		5(2x-3)	B1	cao
(c)		4	M	for method to isolate terms in <i>p</i> on one side and constants on the other side
			A1	cao
18		3:4	M1 M1 A1	for 32 – 8 (= 24) (dep) for "24" : 32 cao

Paper 1MA1: 2F	: 2F			
Question	Working	Answer		Notes
19 (a)		Table complete	B1	cao
(bi)		$\frac{1}{10}$	B1	for $\frac{1}{10}$ oe or ft from table
(bii)		$\frac{7}{10}$	B1	for $\frac{7}{10}$ oe or ft from table
20		1.52	M1 A1	for $20 \times 4.55 \div 60$ for 1.52 or 1.516()
21		∞	M1 A1	for finding the HCF of any two of the three numbers or for 2^5 and 3×2^4 and $2^3 \times 3^2$ cao
22		Translation by $\binom{4}{-3}$	B1 B1	for translation $\begin{pmatrix} 4 \\ -3 \end{pmatrix}$

Paper 1MA1: 2F	1: 2F			
Question	Working	Answer		Notes
23 (a)		Trend described	C1	for "percentage of people who use the shop decreases" oe
(bi)		13 - 17	P1 A1	for process to draw trend line on graph for 13 - 17
(bii)		No + reason	C1	for comment, eg "no, because 2020 is beyond the time period covered by the given data"
24 (a)		13y - 1	M1 A1	for expansion of one bracket for full simplification
(b)		$35u^3w^7$	B1 B1	for 2 of 35, u^3 and w^7 correct cao
25		105	P1 P1 A1	for process to find the exterior angle or interior angle of a hexagon or octagon for process to find the both exterior angles or both interior angles for 105 from correct working

Paper 1MA1: 2F	I: 2F			
Question	Working	Answer		Notes
26 (a)(i)		10, 12, 14, 15, 16, 18	B1	cao
(ii)		12, 18	B1	cao
(q)		7 10	M	for 7 or indicating correct region or for 10, 14, 16, 11, 13, 17, 19 listed
			A1	for $\frac{7}{10}$ oe
27	6:5 = 12:10 2:1 = 10:5	70	P1	for strategy to start to solve the problem eg 12 : 10 and 10: 5
	C: S: P = 12: 10: 5		P1	for process to solve the problem eg $\frac{10}{27} \times 189$
	$\frac{10}{27} \times 189$		A1	cao
28	$\frac{1}{4} \times \pi \times 4.8^2$	6.58	B1	for use of formula for area of a circle
	$\frac{1}{2} \times 4.8 \times 4.8$		P1	for complete process to find area of shaded region
	$\frac{1}{4} \times \pi \times 4.8^2 - \frac{1}{2} \times 4.8 \times 4.8$		A1	for 6.56 – 6.58

Paper 1MA1: 2F				
Question	Working	Answer		Notes
29	$\angle ADB = 72^{\circ}$ (base angles of isosceles triangle ABD)	Result shown	M1	for $\angle ADB = 72^{\circ}$ and $\angle BAD = 180^{\circ} - 2 \times 72^{\circ}$
	$\angle BAD = 180^{\circ} - 2 \times 72^{\circ}$ (angle sum of a triangle is 180°)		M	for $\angle BCA = "36"$
	$\angle BCA = 36^{\circ}$ (base angles of isosceles triangle ABC)		M1	for $\angle BDC = 180^{\circ} - 72^{\circ}$
	$\angle BDC = 180^{\circ} - 72^{\circ}$ (angles on a straight line sum to 180°)		C1	for complete chain of reasoning to find angle $DBC = 36^{\circ}$ and one correct reason
	$\angle DBC = 180^{\circ} - 36^{\circ} - 108^{\circ}$ (angle sum of a triangle is 180°)		C1	C1 dependent on all previous marks for correct deduction and full reasons.