

	Give one mark for each •	Illustrations for awarding each mark
1(a)	<p>ans: 2.596</p> <ul style="list-style-type: none"> •¹ carry out calculation correctly 	<ul style="list-style-type: none"> •¹ 2.596
(b)	<p>ans: 37.5</p> <ul style="list-style-type: none"> •¹ carry out calculation correctly 	<ul style="list-style-type: none"> •¹ 37.5
(c)	<p>ans: 13 020</p> <ul style="list-style-type: none"> •¹ carry out calculation correctly 	<ul style="list-style-type: none"> •¹ 13 020
(d)	<p>ans: $23\frac{1}{3}$</p> <ul style="list-style-type: none"> •¹ convert to top heavy & begin calculation •² carry out calculation correctly 	<ul style="list-style-type: none"> •¹ $7 \times \frac{10}{3}$ •² $\frac{70}{3} = 23\frac{1}{3}$ <p style="text-align: right;">5 marks KU</p>
2	<p>ans: 0.0017</p> <ul style="list-style-type: none"> •¹ know answer < 1 •² state correct answer 	<ul style="list-style-type: none"> •¹ any answer <1 (with digits 1 and 7 in) •² 0.0017 <p style="text-align: right;">2 marks KU</p>
3	<p>ans: 49</p> <ul style="list-style-type: none"> •¹ know to subtract temperatures •² carry out calculation correctly 	<ul style="list-style-type: none"> •¹ $31 - (-18)$ •² 49 <p style="text-align: right;">2 marks KU</p>
4	<p>ans: table completed</p> <ul style="list-style-type: none"> •¹ consider lower time restraint •² consider upper time restraint •³ know to choose 3 different classes •⁴ fills in timings column 	<ul style="list-style-type: none"> •¹ 1st row correct B,T,M •² 2nd row correct B,T,C •³ 3rd row correct B,D,C •⁴ correct timings (115, 108, 104) <p style="text-align: right;">4 marks RE</p>
5	<p>ans: £73.10</p> <ul style="list-style-type: none"> •¹ know to calculate 15% of cost •² correctly calculate 15% •³ know to subtract 15% •⁴ correct answer 	<ul style="list-style-type: none"> •¹ 10% = £8.60, 5% = £4.30 •² 15% = £12.90 •³ £86 - £12.90 •⁴ £73.10 <p style="text-align: right;">4 marks KU</p>

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6(a)	ans: 58°	<ul style="list-style-type: none"> •¹ 58° 1 mark KU
	<ul style="list-style-type: none"> •¹ states answer 	
(b)	ans: 29°	<ul style="list-style-type: none"> •¹ $\angle AOD = 122^\circ$ •² $58 \div 2$ •³ 29° 3 marks RE
	<ul style="list-style-type: none"> •¹ uses supplementary angles •² identifies AOD as isosceles triangle •³ correctly calculates angle 	
7(a)	ans: stem and leaf drawn	<pre style="font-family: monospace; margin: 0;"> 5 5 6 2 4 9 7 1 3 4 5 7 7 9 8 1 1 2 6 6 9 1 3 5 10 2 8 n = 20, 7/9 = 79 </pre> <p style="text-align: right;">3 marks KU</p>
	<ul style="list-style-type: none"> •¹ stem correct •² leaves correct (in order) •³ key stated 	
	(b) ans: 53	
(c)	ans: 78	<ul style="list-style-type: none"> •¹ $108 - 55 = 53$ 1 mark KU •¹ $\frac{77 + 79}{2}$ •² 78 2 marks KU
	<ul style="list-style-type: none"> •¹ know how to find median •² answer 	
8	ans: diagram completed	<p style="text-align: right;">3 marks RE</p>
	<ul style="list-style-type: none"> •¹ rotates complete shape •² rotates shape about O •³ rotates shape 180° 	

	Give 1 mark for each •	Illustrations for awarding each mark
9(a)	ans: 5 : 2 <ul style="list-style-type: none"> •¹ simplify ratio 	<ul style="list-style-type: none"> •¹ 5 : 2 <p style="text-align: right;">1 mark KU</p>
(b)	ans: £1 500 <ul style="list-style-type: none"> •¹ correct strategy •² calculates 2 shares •³ calculations correct 	<ul style="list-style-type: none"> •¹ $5 + 2 = 7$ shares •² 1 share = $5250 \div 7 = \text{£}750$ •³ 2 shares = $\text{£}1500$ <p style="text-align: right;">3 marks RE</p>

Total marks: KU 21 RE 13