Section A

1	(a)	10	2	**M1:** 25 or –15 seen
	(b)	$n = \frac{C+5}{10}$ (o.e.)	2	**M1:** n omitted **or** one correct step in rearrangement: e.g. $C + 5 = 10n$ **or** $C/10 = n - 0{\cdot}5$ **SC1:** other $n = \frac{\pm C \pm 5}{10}$
			4	
2	(a)	15	2	**M1:** 15/40 **or** 3/8 × 40 **or** 120/8 **or** 5 seen
	(b)	5/40 **or** 1/8 **or** 0·125 **or** 12·5% (o.e.) i.s.w.	1	
			3	
3		60 000 ÷ 60	1	**or** equiv. argument, e.g. 100 × 60 [= 6000] **or** 60 000 ÷ 100 [= 600] at least one of 62 and 58900 **or** 95 must be rounded; condone 62 rounded to 100
		= 1000 (so 100 too small) (o.e.) **or** 'it is too small'	1	
			2	
4	(a)	$\frac{24}{28}$ or $\frac{12}{14}$ or $\frac{6}{7}$ or other equivalent fraction; i.s.w.	2	**M1:** $\frac{3}{4} \times \frac{8}{7}$ (o.e.) **or** $\frac{6}{8} \div \frac{7}{8}$
	(b) (i)	$2 \times 3^2 \times 7$ **or** $2 \times 3 \times 3 \times 7$	2	**M1:** division of 126 by two or more of 2,3,7 **or** factor tree seen with two or more of 2,3,7 **or** answer given with two of these
	(ii)	14 **or** 2 × 7; c.a.o.	1	
			5	
5	(a)	53	1	accept angles on diagrams throughout if nothing on answer lines
		62	2	**M1:** 115 – 'their p' **or** 180 – ('their p' + 65) (may be implied by answer)
	(b)	164	1	
		angle at centre (of circle) is twice angle at circumference	1	at least one of 'centre' and 'circumference' must be mentioned
			5	
6		perp. bisector of AB drawn	1	at least 4 cm long, within 2 mm of centre of AB and perpendicular to AB by eye
		circle centre A, radius 7 cm	1	at least relevant part near B drawn tol. = 2mm
		correct shading of segment	1	f.t. from their straight line and circle only
			3	
7	(a)	$x \geq 3$; i.s.w.	2	**M1:** $2x \geq 6$ **or** $x - 0.5 \geq 2.5$ **or** $x = 3$ **or** $x > 3$; **or** 3 given as answer
	(b)	closed circle at 3 and line to right of 3, continuing to end of line (mark their intent)	1	**or** f.t. their inequality in (a); condone open circle
			3	
			25	