Section A

1	(a)	Axes scaled consistently	[1]	
		Histogram		
		All heights correct	[1]	Accuracy ± 2 mm
		Bars correctly positioned with no gaps	[1]	
		OR		
		Frequency polygon		
		Heights correct	[1]	Accuracy ± 2 mm
		Points plotted at mid intervals and ruled lines	[1]	
	(b)	$\frac{23}{60}$ i.s.w. (but not subtraction from 1)		
		or 0.38.... or 38....%	[2]	**W1** for 23 seen
2	(a)	The train stops or equivalent	[1]	
	(b)	Ruled line from York(11 00) to London (13 15)	[2]	Allow ± 2 mm at each end **W1** for freehand line **or** **W1** for one end correct **OR** **W1** for ruled line from London to York with both ends correct.
3		0.43[p] or 43[p]	[4]	**W3** for figs 215 seen **or** **W2** for figs 228 seen **or** **W1** for figs 162 **or** figs 66 seen **and** **M1** for (their 215) ÷ 5
4	(a)	– 8	[2]	**W1** for $[(-2)^2 =]$ 4 or –12 seen
	(b)	Final answer $a(a+6)$	[1]	
5	(a)	[×]3 or $\frac{3}{1}$	[1]	
	(b)	(0 , 2)	[1]	

6	(a)	(i) Final answer $\frac{3}{20}$ o.e. or 0.15	[1]	
		(ii) Final answer $\frac{4}{5}$ o.e. or 0.8	[1]	
	(b)	$\frac{21}{25}$ o.e. with one relevant correct change	[2]	**W1** for one relevant correct change
7	145°		[2]	**W1** for 35 seen **or** **M1** for 360 – (83 + 115 + 127) **OR** (exterior angle method). **W1** for two of 97, 65 and 53 seen **or** **M1** for 360 – (97 + 65 + 53) f.t
	[Angles in a] quadrilateral [= 360°]		[1]	Exterior angles [= 360°]
	[Angles on a] straight line [= 180°]		[1]	

Section B

8	(a)	A	[1]	
	(b)	D	[1]	
9	(a)	4.6 o.e.	[1]	
	(b)	11.3	[2]	**W1** for figs 112[7…] or figs 113 seen **or** **W1** for answer – 2.6 **or** **W1** for figs 2401 seen
10	(a)	35	[1]	
	(b)	5.5 or $5\frac{1}{2}$ or $\frac{11}{2}$ i.s.w.	[2]	**M1** for $2x = 6 + 5$ **or** **W1** for answer $\frac{1}{2}$ or 0.5
	(c)	– 2	[3]	**W1** for $8x + 36$ seen **and** **M1** $8x = 20 - 36$ f.t. **OR** **M1** for $2x + 9 = 5$ **and** **M1** for $2x = 5 - 9$ f.t.
11	(a)	£10440	[3]	**M2** for $\frac{100 - 28}{[100]} \times 14500$ implied by figs 1044 **or** **M1** for $\frac{28}{[100]} \times 14500$ implied by 18560 or figs 406
	(b)	26.25	[2]	**W1** for 8.75 **or** **M1** for $\frac{35}{1+3}(\times 3)$ implied by figs 262, 263, 2625

12	(a)	(i)	Angle CBA = 55 to 59° BC = 8.3 to 8.7 cm (Ruled)	[1] [1]	
		(ii)	**If the construction is correct:**		
			14.6 to 15.6 km	[2]	**W1** for 7.3 to 7.8 seen **or** **W1** for 31 + their AC
			If the construction is incorrect:		
			f.t. from their diagram		**W2** for their AC x 2 (Allow ± 0.4km) **or** **W1** for their AC stated (Allow ± 0.2cm) **or** **W1** for 31 + their AC
	(b)		1 h 15 min	[3]	**W2** for 1.25 seen **or** for answer 1 hour 25 minutes **or** 75 minutes **or** **M1** for 14 ÷ 11.2 **or** figs 125
13			20.4 to 20.45	[2]	**M1** for $\pi \times 6.5$ **or** **W1** for answer 40.8 to 40.9