

1		30	M1	for $12\text{ m} = 1.9\text{ to }2\text{ cm}$ or for a scale factor of 2.25 to 2.75 (comparing length of bus with height of the building) or a complete method using the height of the bus to compare with the height of the building.
			A1	answer in range 27 to 33

2	69.2	B1	for a correct measurement of either length or width, eg 11.5 (cm) or 5.8 (cm)	Allow measurements 11.3 to 11.7 cm and 5.6 to 6.0 cm NB: could work in mm [length] in the range 11.0 to 12.0 [width] in the range 5.0 to 6.5 NB: could work in mm This mark can be awarded for the conversion of any amount in cm to m (ie not from an area) calculations could be in cm or in m and could be scaled or unscaled figures SC: award 3 marks for an answer in the range 67.6 to 70.8 using measurements outside the above ranges
		P1	for process to find actual dimensions, eg [length] \times 200 (= 2300) or [width] \times 200 (= 1160)	
		P1	(indep) for process to convert to metres [length in cm] \div 100 eg "2300" \div 100 (= 23) or "1160" \div 100 (= 11.6)	
		P1	(indep) for process to find the perimeter, eg "23" \times 2 + "11.6" \times 2 (= 69.2) or "11.5" \times 2 + "5.8" \times 2 (= 34.6)	
A1	for an answer in the range 67.6 to 70.8			

3	80	M1	for converting to cm	Can be done at any stage of the problem eg 19.2×100 (=1920) or 0.8×100 [length] must come from an attempt to change 19.2 metres into cm
		M1	for use of scale eg $19.2 \div 24$ (= 0.8) or $1920 \div 24$ or [length] \div 24	
		A1	cao	

4	7cm by 4cm rectangle drawn	M1	for a rectangle drawn with one correct dimension or $35 \div 5$ (=7) and $20 \div 5$ (=4)	Correct calculations/measurements seen the method mark can be awarded even if the drawing is incorrect or not present Accept any orientation of a correct rectangle
		A1	for a fully correct 7cm by 4cm rectangle drawn	