

Question			Answer	Marks	Part Marks and Guidance	
1	(a)	(i)	Rectangle 10 by 6  Any line down middle of a rectangle, parallel to length	1  1FT	Ignore extra lines anywhere  Any rectangle with no extra lines	Condone freehand The edge of the grid may be used as the side of the rectangle
		(ii)	Rectangle  10 by 4	1  1	Ignore extra lines anywhere  Rectangle with no extra lines	Condone freehand The edge of the grid may be used as the side of the rectangle
	(b)		184	4	<b>M1</b> for [1 or 3 ×] 10 × 6 soi by 60 (or 180) <b>M1</b> for [2 or 3 ×] 5 × 10 soi by 50 or 100 (or 150)  <b>M1</b> for [2 ×] $\frac{6 \times 4}{2}$ soi by 12 or 24 but not if goes on to 24 × 2	Allow <b>M1</b> , <b>M1</b> for combining areas eg (5 + 6) × 10 or 16 × 10  Condone if part of volume calc.

2	(a)		7×2 + 3×1 soi OR 6×2 + 5×1 soi OR 7×5 – 3×6 soi	2	<b>M1</b> for <b>any one</b> of 7×2, 3×1, 6×2, 5×1, 7×5, 3×6 soi	
	(b)		130	3	<b>M2</b> for 17; 17; 4×1; 4×2; 4×3; 4×5; 4×6; 4×7 oe soi with at most one incorrect, one extra or one missing  <b>Or M1</b> for <b>any five</b> of these sides soi	<b>M2</b> for 17×2; 5×4×2; 7×4×2  <b>Or M1</b> for <b>any two</b> of these

3	(a)		Splitting into rectangles and correctly finding the areas in terms of $x$	M2	<b>M1</b> for splitting into rectangles and correctly trying to find area of one in terms of $x$	Eg for <b>M2</b> $x \times x + 2x \times 3$ $x \times x + x \times 3 + x \times 3$ $x \times (x + 3) + x \times 3$ $2x \times (x + 3) - x \times x$ Etc
	(b)		7, 55	1, 1		
	(c)		5 or 6 points correctly plotted  <u>Curve</u> joining 5 or 6 points	1FT  1FT	Within half small square of <i>their</i> 'correct' position Within half small square of <i>their</i> points	
	(d)		3.5 to 3.7 inclusive	1	Independen	