1	9 × 5 or 45 or 9 × 3 or 27 or 5 × 3 or 15	M1	may be multiplied by 2 implied by 90 or 54 or 30 or (total =) 174 or 90 + 54 + 30 = 174
	9 × 5 × 2 or 90 **and** 9 × 3 × 2 + 5 × 3 × 2 or 54 + 30 or 84 or 9 × 5 or 45 **and** 9 × 3 + 5 × 3 or 27 + 15 or 42	M1dep	accept blue = 90 and (total =) 174 or green = 84 and (total =) 174
	90 and 84 and Yes or 45 and 42 and Yes	A1	oe condone incorrect units

Additional Guidance

Yes may be seen by the question or implied by eg blue is bigger	
Ticking or circling blue or 90 without a comment does not imply Yes	
Allow M1 even if not subsequently used	
Allow M1 even if seen among other calculations for eg perimeter or volume	
Works out the area of a face and then uses this for the 'volume' eg 5 × 3 = 15, 15 × 9 = 135 or 5 × 3 = 15, 15 × 15 = 225	M1M0A0
Only works out a 'volume' with correct or incorrect method eg 5 × 3 × 9 = 135 or 5 × 3 × 5 × 3 = 225	M0M0A0
Ignore incorrect subtraction eg 90, 84 and Yes blue is 8 greater	M1M1A1
90 + 54 + 30 = 174 (174 ÷ 2 = 87) 90 is more than half so Yes or 84 is less than half so Yes	M1 M1A1
Only 90 and 174 without identifying 90 as the blue area	M1M0A0

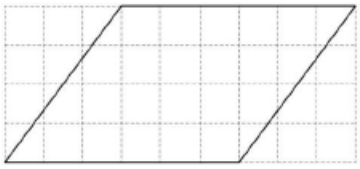
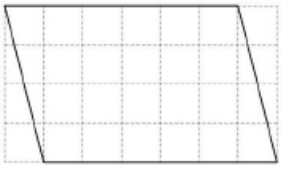
Q	Answer	Mark	Comments
2(a)	$0.5 \times 2.6 \times 9.8$	M1	oe eg 1.3×9.8 or 2.6×4.9
	12.7(4)	A1	
	Additional Guidance		
	Accept 13 with M1 awarded		M1A1

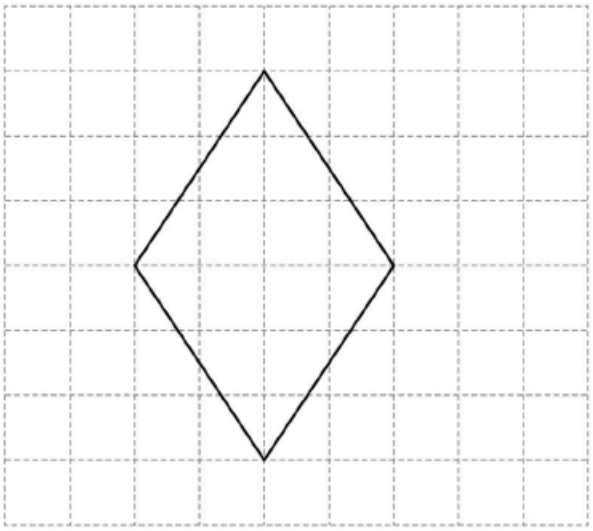
Q	Answer	Mark	Comments
2(b)	$\pi \times 11.5^2$	M1	oe accept [3.14, 3.142] for π
	[415, 416] or $\frac{529}{4}\pi$ or $132.25\,\pi$	A1	oe
	Additional Guidance		
	Accept $\frac{529}{4} \times \pi$ or $132.25 \times \pi$ or $\pi \times \frac{529}{4}$ or $\pi \times 132.25$		M1A1
	Condone $\pi\frac{529}{4}$ or $\pi 132.25$		M1A1

Q	Answer	Mark	Comments
3	20^2 (× π) or 400 (× π) or 15^2 (× π) or 225 (× π)	M1	oe
	$\frac{3}{4}$ × 20^2 (× π) or 300 (× π) or $\frac{1}{3}$ × 15^2 (× π) or 75 (× π)	M1dep	oe
	$\frac{3}{4}$ × 20^2 (× π) or 300 (× π) and $\frac{1}{3}$ × 15^2 (× π) or 75 (× π)	M1dep	
	300 (× π) and 75 (× π) and 4	A1	Accept P = 4Q for 4 SC2 40 (× π) and 30 (× π) and 30 (× π) and 10 (× π) and answer 3
	Additional Guidance		
	Answer 4 with no working		M0A0
	Condone inconsistent use of π eg 300π and 75 and 4		M3A1
	Condone, for example, π400 for 400π		
	Allow use of a numerical value for π for method marks and for the A mark with answer 4		
	Ignore units throughout		

Q	Answer	Mark	Comments
4	12 × 16 ÷ 2 or 96	M1	oe
	their 96 ÷ 7.5	M1dep	
	12.8	A1	SC1 25.6 or 6.4
	Additional Guidance		
	Up to M2 may be awarded for correct work, with no answer or incorrect answer, even if this is seen amongst multiple attempts		
	12.8 × 7.5 = 96, 96 on answer line		M1M1A0

Q	Answer	Mark	Comments
5(a)	3 or 4 identified or 4 by 3 rectangle drawn on grid or triangle base 4, height 3 drawn on grid	M1	
	12	A1	
	Additional Guidance		
	$\frac{3\times4}{2}$	M1A0	
	3 + 4 + 5 = 12 (perimeter of triangle, not area of rectangle)	M1A0	
	For drawings, mark intention		
	Ignore units		

Q	Answer	Mark	Comments
5(b)	All three of • parallelogram with side as given • no right angles • area 24 cm^2	B2	B1 any two bullet points
	Additional Guidance		
	eg  or 	B2	
	Vertices along the bottom edge do not need to be at intersections of gridlines		
	Mark intention for B2 and B1		
	Rectangle with sides 6 cm and 4 cm	B1	
	Non right-angled triangle drawn off given line, with vertical height 8 cm	B1	
	Trapezium (no right angles) drawn with parallel lines of length 6 cm and 10 cm, vertical height 3 cm	B1	
	For those that start again, a horizontal line of 6 cm must be used		

Q	Answer	Mark	Comments
5(c)	Rhombus drawn using given two sides	B1	
	Additional Guidance		
		B1	
	Mark intention of straight lines		
	Ignore diagonals on a correct rhombus		

Q	Answer	Mark	Comments
6	$\frac{1}{2} \times 20 \times 6.3$	M1	oe
	63	A1	
	Additional Guidance		
	Ignore units		

Q	Answer	Mark	Comments
7(a)	Rectangle drawn with an area of 10	B2	any orientation B1 10 seen or any polygon drawn different from the given shape with an area of 10
	Additional Guidance		
	B1 may be awarded for correct work with no shape or incorrect shape, even if this is seen amongst multiple shapes		
	Mark intention		
	10 may be seen on the diagram		
	Draws the given shape reflected or in a different orientation		B0