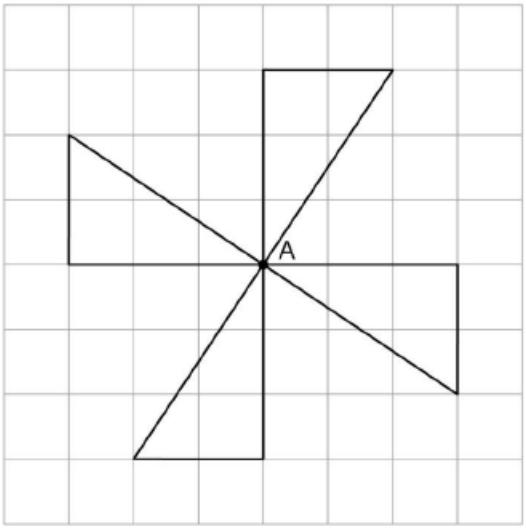
1	Q	B1	
	Additional Guidance		

2	☑ All four triangles are right-angled ☐ All four triangles are isosceles ☑ All four triangles are congruent ☑ Area of rhombus = 4 × area of one triangle ☐ Perimeter of rhombus = 4 × perimeter of one triangle	B2	B1 two correct with at most one incorrect or three correct and one incorrect
	Additional Guidance		

Q	Answer	Mark	Comments
3	trapezium	B1	

Q	Answer	Mark	Comments
4	Fully correct diagram with rotational symmetry of order 4 and centre of rotation at point A	B2	B1 a correct rotation of the given triangle through 90° or 180° or 270°, centre of rotation at point A
	Additional Guidance		
			B2
	Mark intention		
	Where there are more than 3 extra triangles drawn on the diagram, award B1 if at least one is correct		
	Students may amend original diagram (but still include the given triangle) and then use their new shape to give a diagram with rotational symmetry order 4 and centre of rotation at point A for B2 For B1, their new shape must be seen with a correct rotation through 90° or 180° or 270°, centre of rotation at point A		

Q	Answer	Mark	Comments
5	It has 12 edges	B1	

Q	Answer	Mark	Comments
6	$360 \div 15$ or 24 or $(15 - 2) \times 180$ or 2340	M1	oe may be seen on diagram
	156	A1	

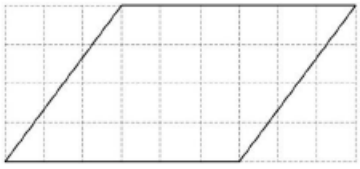
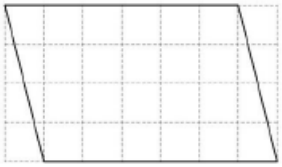
Q	Answer	Mark	Comments
7(a)	Hexagon	B1	

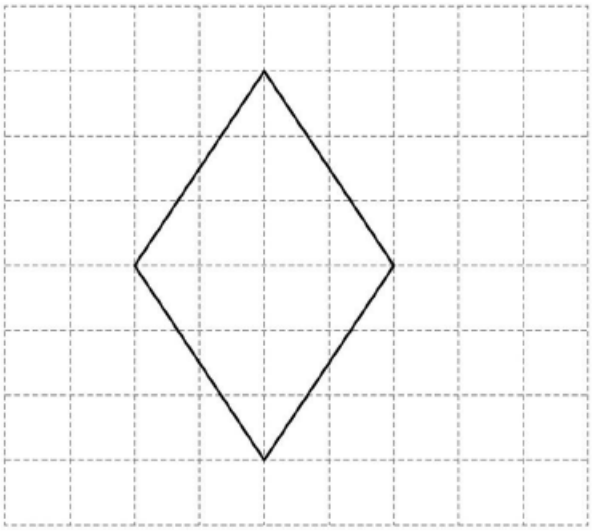
Q	Answer	Mark	Comments
7(b)	Valid reason	B1	eg sides are not equal or angles are not equal
	Additional Guidance		
	Ignore incorrect or irrelevant statements alongside correct statements, unless contradictory		
	There are no lines of symmetry		B1
	It has reflex angles		B1
	Regular polygons must have equal sides		B1
	All sides are different (condone)		B1
	Some sides are more than 1 cm		B1
	It doesn't have a line of symmetry		B1
	It doesn't have one line of symmetry		B0

Q	Answer	Mark	Comments
7(c)	2	B1	allow in words
	4	B1	allow in words

Q	Answer	Mark	Comments
8(a)	C and E	B1	either order

Q	Answer	Mark	Comments
9(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
9(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
9(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
10	P	B1	

Q	Answer	Mark	Comments
11	*ADC*	B1	

Q	Answer	Mark	Comments
12(a)	c	B1	

Q	Answer	Mark	Comments
12(b)	a or d	B1	accept a and d

Q	Answer	Mark	Comments
12(c)	0	B1	oe
	Additional Guidance		
	Accept none, zero, nought etc		

Q	Answer	Mark	Comments
13(a)	6	B1	
Q	Answer	Mark	Comments
13(b)	8	B1	
Q	Answer	Mark	Comments
13(c)	1	B1	