

Enlargements Past Paper Questions (MS)



Q1.

PAPER: 5MB3F_01				
Question	Working	Answer	Mark	Notes
		Correct enlargement	2	M1 for enlarging 2 adjacent sides correctly or correct enlargement using incorrect scale factor ($\neq 1$) A1 cao

Q2.

PAPER: 1MA0_1F				
Question	Working	Answer	Mark	Notes
		correct shape	2	M1 for at least 2 correctly enlarged sides A1 for correct shape SC: B1 for a fully correct enlargement scale factor 2 or 4

Q3.

PAPER: 1MA0/1H				
Question	Working	Answer	Mark	Notes
		Diagram drawn	3	B3 for fully correct shape (B2 for 3 or 4 vertices correct or enlargement scale factor 3 in wrong position or enlargement, centre A , with different scale factor) (B1 for 2 vertices correct or enlargement, not from A , with different scale factor)

Q4.

	Working	Answer	Mark	Notes
			3	B3 for fully correct triangle (B2 for 2 vertices correct or enlargement scale factor 3 in wrong position or enlargement, centre A , with different scale factor) (B1 for 1 vertex correct or enlargement, not from A , different scale factor)



Q5.

Question	Working	Answer	Mark	Notes
		Enlargement, scale factor 2.5, centre (0,0)	3	B1 for enlargement B1 for scale factor 2.5 oe B1 for (0,0); accept origin or O NB: if two different transformations are stated then 0 marks.

Q6.

Question	Working	Answer	Mark	Notes
		enlargement, scale factor 2, centre (6, -5)	3	B1 for enlargement B1 for (scale) factor 2 or $\times 2$ or sf 2 B1 for (6, -5) NB: award 0 marks for an explanation that includes reference to more than one transformation.

Q7.

Paper: 5MB3H_01				
Question	Working	Answer	Mark	Notes
		enlargement scale factor 3 centre O	3	B1 for enlargement B1 for scale factor 3 B1 for (centre) O oe NB: B0 for any combination of transformations

Q8.

Question	Answer	Mark	Mark scheme	Additional guidance
	Enlargement	B2 (B1)	for correct enlargement at (1,2) (2,3) (2,4) (1,4) for correct size and orientation in the wrong position OR 3 of 4 vertices correct and joined OR 4 correct vertices not joined)	



Q9.

Question	Answer	Mark	Mark scheme	Additional guidance
	Enlargement	B2 (B1)	vertices at (2.5, 1) (2.5, 6) (5, 6) for triangle of the correct size and orientation in the wrong position or a correct enlargement of a different scale factor centre (0, 1) or correct orientation with 2 of 3 vertices correct)	

Q10.

Question	Working	Answer	Mark	Notes
	$\frac{1}{2} \times 4 \times 3 = 6$ $(\frac{1}{2})^2 \times 6 =$	1.5	3	M1 for $\frac{1}{2} \times 4 \times 3$ oe M1 for $(\frac{1}{2})^2 \times "6"$ A1 cao OR M2 for $\frac{1}{2} \times 2 \times 1.5$ oe (M1 for triangle with all lengths $\frac{1}{2}$ corresponding lengths of triangle ABC seen in any position or vertices seen at (1, 1) (3,1) and (2.5, 2.5) or stated) A1 cao