



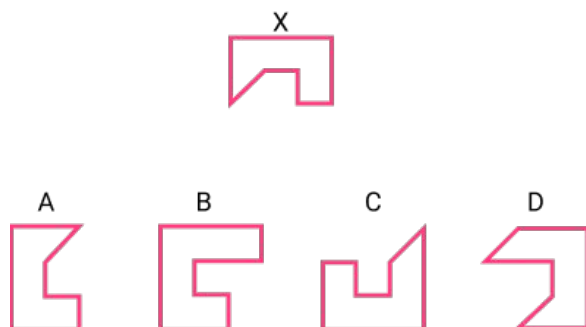
THIRD SPACE
LEARNING

GCSE Exam Questions

Congruent Shapes | Geometry
& Measure

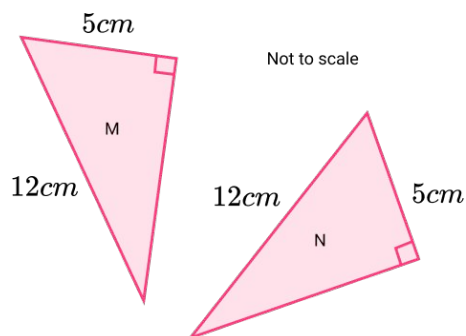
GCSE Exam Questions: Congruent Shapes

- 1) Which shape is congruent to shape X ?



(1 mark)

- 2) Here are two triangles M and N .

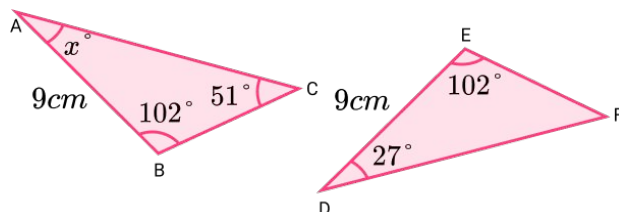


Explain why the two triangles are congruent.

(1 mark)

GCSE Exam Questions: Congruent Shapes

- 3) The two triangles below are congruent:



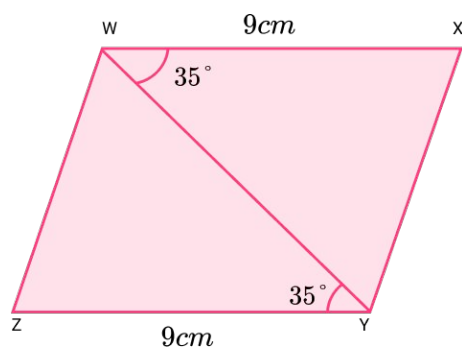
- (a) Work out angle x .

(2)

- (b) Explain why these two triangles are congruent.

(1)
(3 marks)

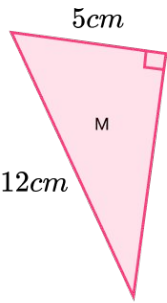
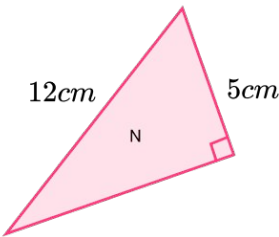
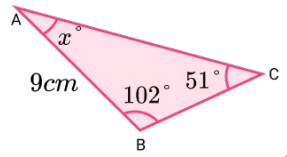
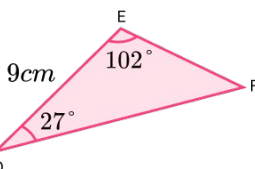
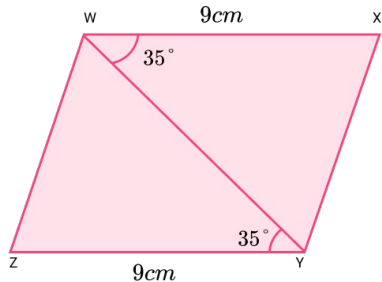
- 4) $WXYZ$ is a quadrilateral. WY is a diagonal.



Prove that triangle WXY is congruent to triangle WYZ .

(3 marks)

GCSE Exam Questions: Congruent Shapes Answers

	Question	Answer	Marks
1)	Which shape is congruent to shape X?  A B C D    	Shape A	(1)
2)	Here are two triangles M and N.  Not to scale  Explain why the two triangles are congruent.	RHS - right angle, hypotenuse and one short side	(1)
3)	The two triangles below are congruent:   (a) Work out angle x.	(a) $180 - (102 + 51)$ $x = 27$	(1) (1)
(b)	Explain why the two triangles are congruent.	(b) ASA angle-side-angle	(1)
4)	WXYZ is a quadrilateral. WY is a diagonal.  Prove that triangle WXY is congruent to triangle WYZ.	WY is common $WX = YZ$ angle $XWY =$ angle WYZ One statement correct All three statements correct Triangle WXY is congruent to triangle WYZ because SAS side-angle-side	(1) (1) (1)

Where to go next?

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