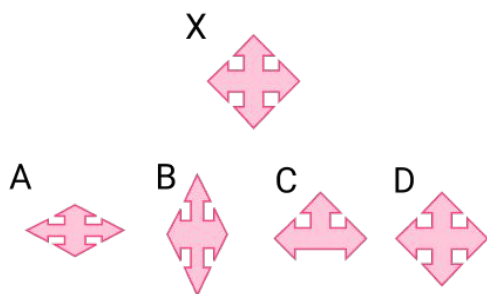# GCSE Exam Questions

Similar Shapes | Geometry & Measure

GCSE Exam Questions: Similar Shapes

1)   Which shape is similar to shape *X*?

X

A   B   C   D

_____

(1 mark)

2)   Triangles *ABC* and *DEF* are similar.

B

6cm

52°

A   4cm   C

E

x

y

D   9cm   F
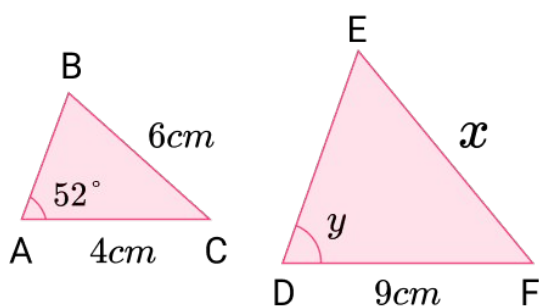
Diagram is NOT drawn to scale.

(a)   Write down the size of angle *y*.

_____

(1)

(b)   Work out the value of *x*.

_____

(2)

(3 marks)

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GCSE Exam Questions: Similar Shapes

3)   *AB* and *CD* are parallel lines.
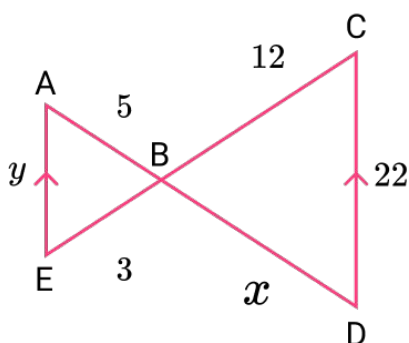
Diagram is NOT drawn to scale.
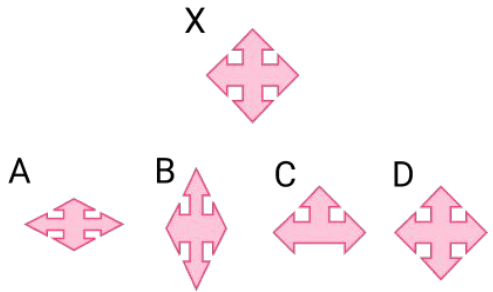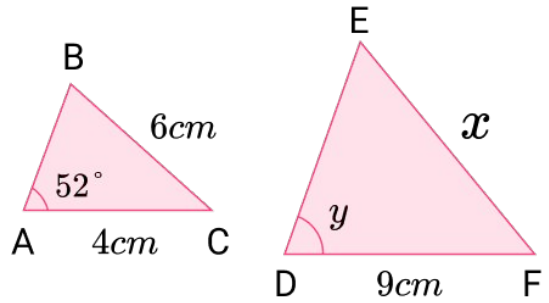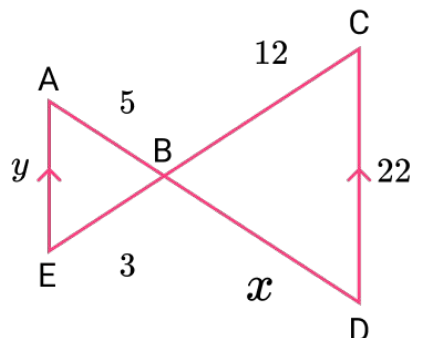
(a) Work out the value of *x*.

- -

(2)

(b) Work out the value of *y*.

- -

(2)

(4 marks)

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GCSE Exam Questions: Similar Shapes Answers

	Question	Answer	Marks
1)	Which shape is similar to shape *X*?	Shape *D*	**(1)**
2)	Triangles ABC and DEF are similar. Diagram is NOT drawn to scale.		
(a)	Write down the size of angle *y*.	(a) *y* = 52	**(1)**
(b)	Work out the value of *x*.	(b) $9 \div 4 = 2.25$ $x = 13.5$	**(1)** **(1)**
3)	*AB* and *CD* are parallel lines. Diagram is NOT drawn to scale.		
(a)	Work out the value of *x*.	(a) $x = 5 \times 4$ $x = 20$	**(1)** **(1)**
(b)	Work out the value of *y*.	(b) $y = 22 \times \dfrac{1}{4}$ (or $y = 22 \div 4$) $y = 5.5$	**(1)** **(1)**

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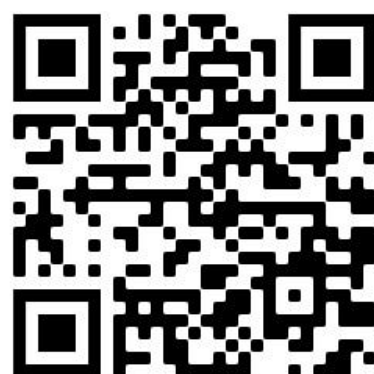
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