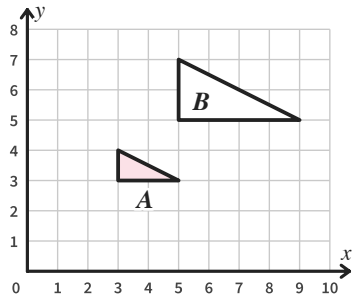
Describing enlargements

1

Describe fully the single transformation that maps shape **A** onto shape **B**.
Scale factor = image side ÷ object side.



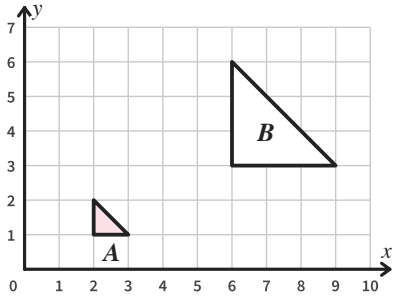
Transformation: **Enlargement**

Scale factor:

Centre:

2

Describe fully the single transformation that maps shape **A** onto shape **B**.



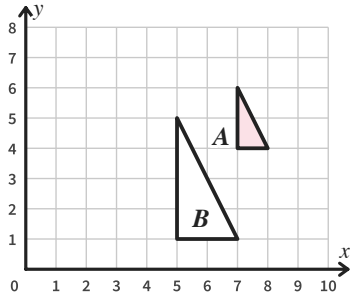
Transformation:

Scale factor:

Centre:

3

Describe fully the single transformation that maps shape **A** onto shape **B**.



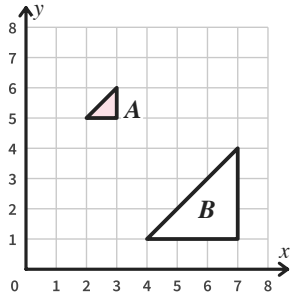
Transformation:

Scale factor:

Centre:

4

Describe fully the single transformation that maps shape **A** onto shape **B**.



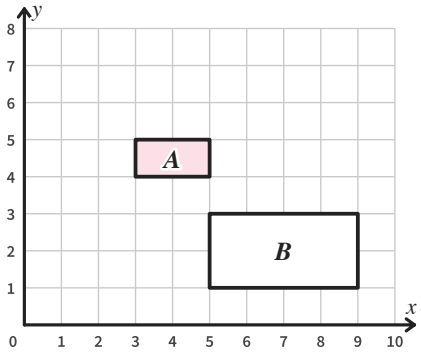
Transformation:

Scale factor:

Centre:

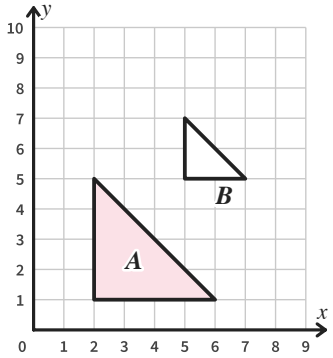
5

Describe fully the single transformation that maps shape **A** onto shape **B**.



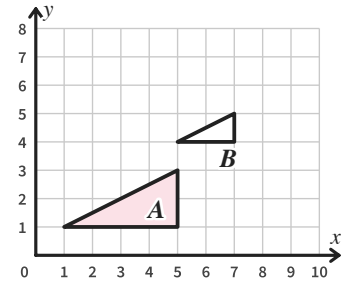
6 *Notice the change!*

Describe fully the single transformation that maps shape **A** onto shape **B**.



7

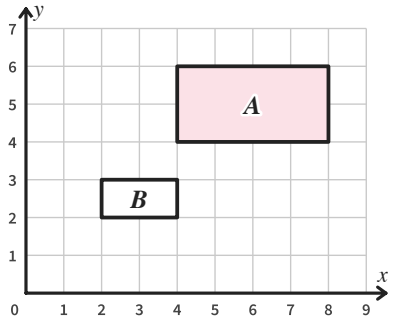
Jamal says this is an enlargement, scale factor 2, centre (9, 7). Explain his mistake. Find the correct scale factor.



Scale factor _____

8

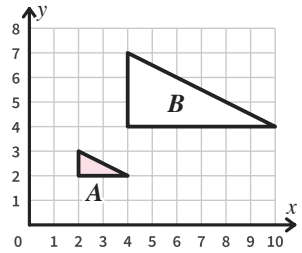
Describe fully the single transformation that maps shape **A** onto shape **B**.



Describing enlargements *further practice*

9

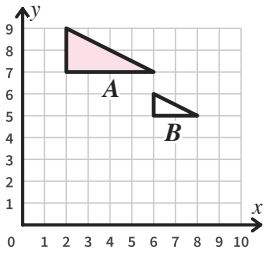
Describe fully the single transformation that maps shape A onto shape B.



Answer

10

Describe fully the single transformation that maps shape A onto shape B.



Answer

11

A photo is enlarged. A side of 4 cm on the photo is 12 cm on the enlargement. Find the scale factor.

Answer

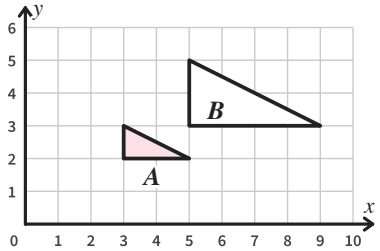
12

A side of shape A is 10 cm.
The matching side of shape B is 5 cm.
Find the scale factor of the enlargement that maps A onto B, and of the one that maps B onto A.

Answer

13

Describe fully the single transformation that maps shape B onto shape A.



Answer

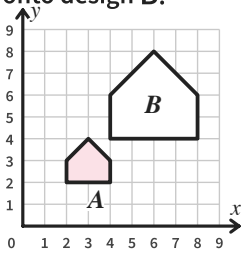
14

A is enlarged to give B.
Lines through matching corners meet at (2, 1). A side of A is 3 squares; on B it is 9. Describe the enlargement fully.

Answer

15

Badge design A is enlarged to make design B for a T-shirt. Describe fully the single transformation that maps design A onto design B.



Answer

16

Mo describes a transformation as "Enlargement, scale factor 2".
Why is this not a full description?

Answer