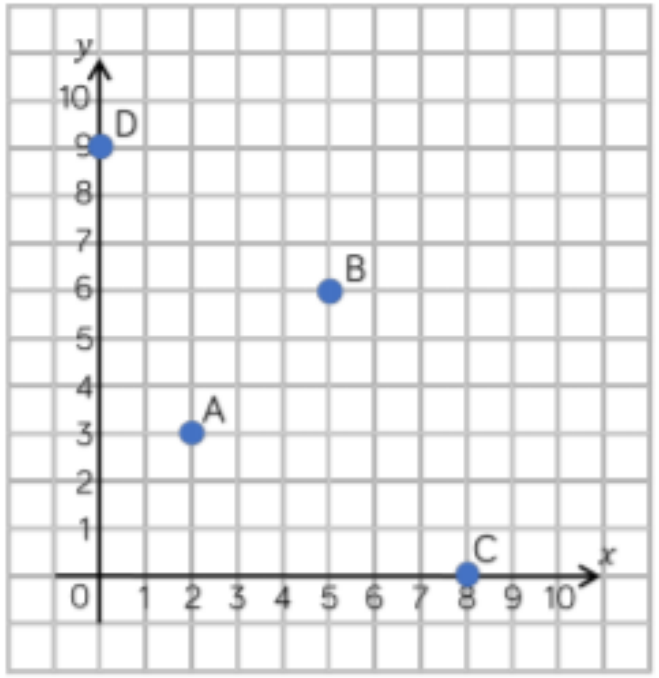
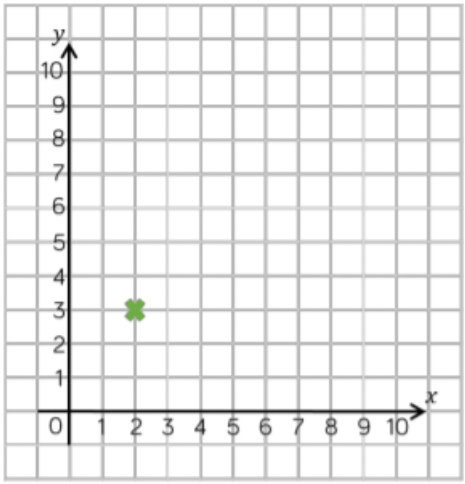
UNIVERSITY OF CAMBRIDGE PRIMARY SCHOOL

W/C 14th June 2023

**MPI: Translate points by given coordinates.**

Translate A 6 right and 3 down.
Record the coordinates before ( __ , __ )
and after ( __ , __ )
Translate B and C 4 left and 3 up.
Record the coordinates before ( __ , __ )
and after ( __ , __ )




Ron translates the point (2, 3), but realises that it has returned to the same position.

What translation did he do?

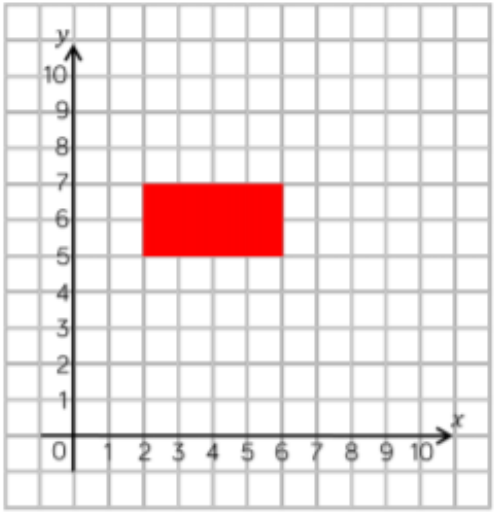
Is there more than one answer?

*He translated ( , ).*

*He could have also translated*

*___ right and ___ left*

*___ up and ___ down*




*Translate the rectangle 2 right and 3 up*
*Draw where the rectangle will be.*

*What are the new coordinates of each vertex?*

( , ) ( , )

( , ) ( , )

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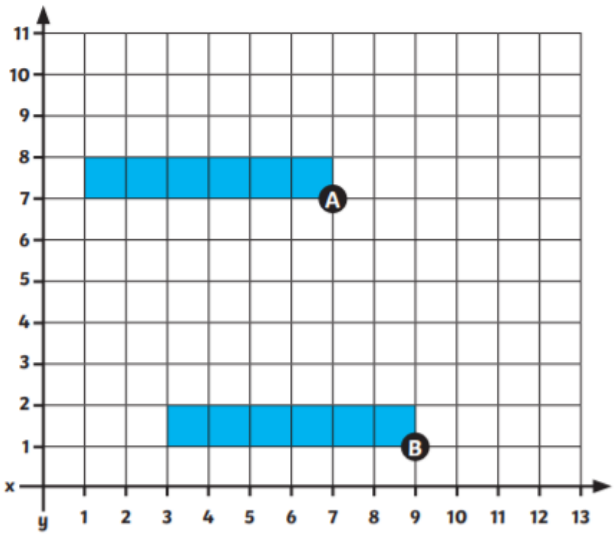
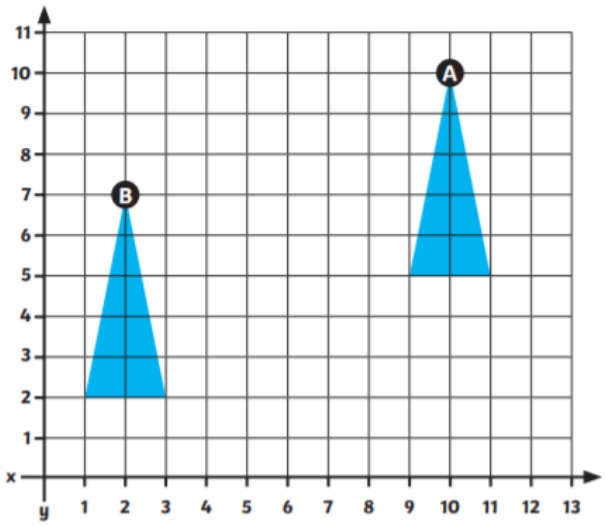
W/C 20th June 2022

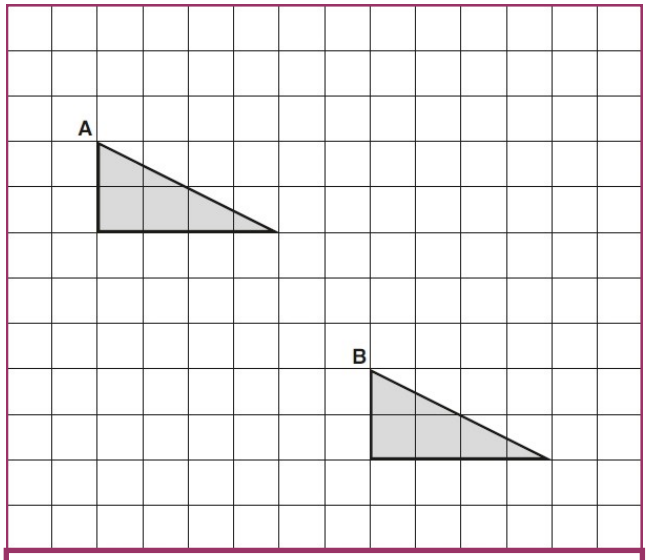
Session 4

**MPI: Describe movement through translations.**

**Write how each shape has been translated from A to B below.**



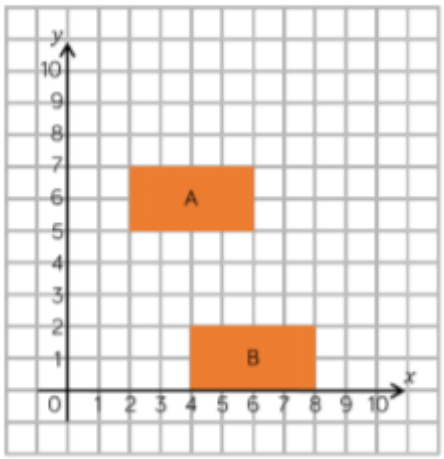




Complete the sentence.

The triangle has moved ☐ squares to the right

and ☐ squares down.




Describe the translation of shape A to shape B. ( , )

Describe the translation of shape B to shape A. ( , )

What do you notice?

_____

_____

_____

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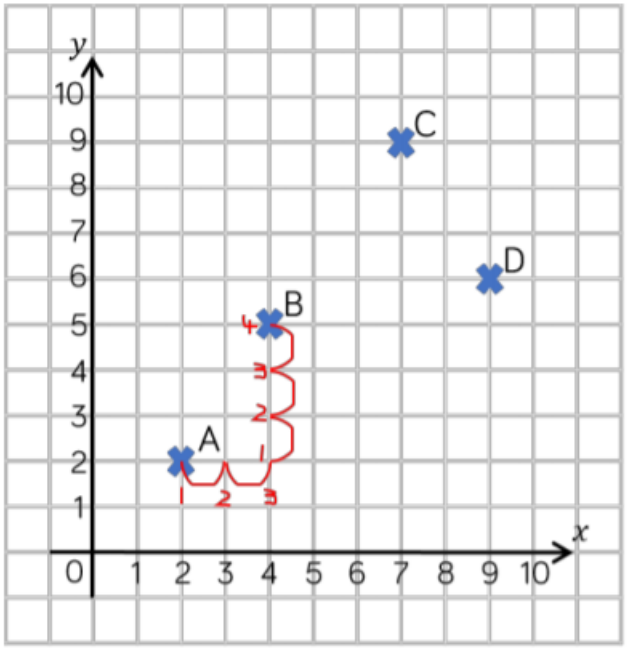
W/C 20th June 2022

**MPI: Describe movements through translations. CHALLENGE** Session 4

Tommy has described the translation from A to B as 3 right and 4 up.




Can you explain his mistake?

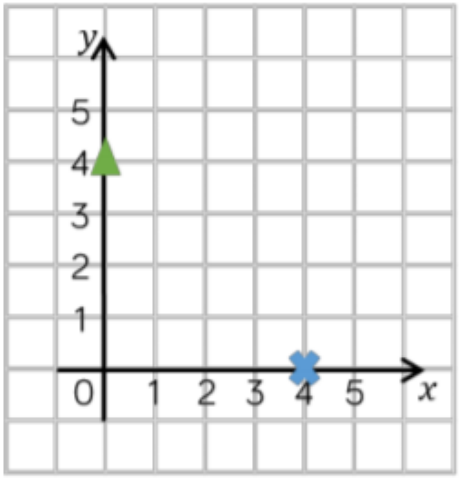
_____

_____

_____

▲ to ✖ is 4 right and 4 down.

✖ to ▲ is 4 left and 4 up.




Can you plot other pairs of points where to move between them, you travel the same to left or right as you travel up or down?

*CHALLENGE:*

*Draw shapes on both grids and translate them. Get a friend to describe the translation*