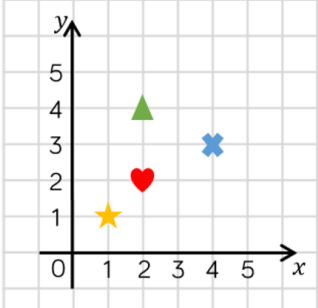










Y4 – Maths – Position – Lesson 4

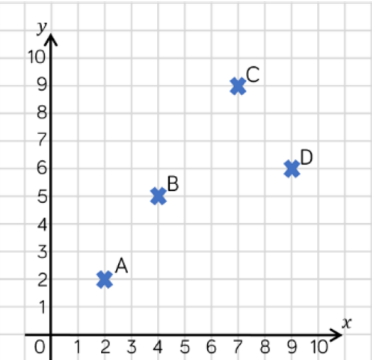
LO: describe position



Describe the translation from:

1.  to  2.  to 
3.  to  4.  to 

1. Two squares right and one square down.
2. One square left and one square down.
3. Two squares down.
4. Three squares right and two squares up.

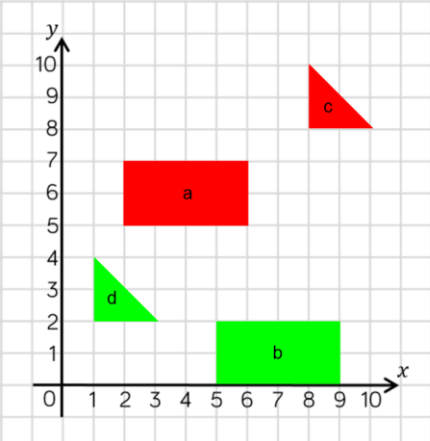


Describe the translation from:

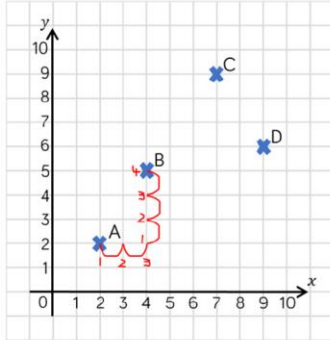
1. A to B 2. B to C
3. C to D 4. D to A

1. Two squares right and three squares up.
2. Three squares right and four squares up.
3. Two squares right and three squares down.
4. Seven squares left and four squares down.

1. Describe the translation of:
 - a. shape A to shape B. **Three right and five down.**
 - b. shape B to shape A. **Three left and five up.**
2. Describe the translation of:
 - a. shape C to shape D **Seven left and six down.**
 - b. shape D to shape C **Seven right and six up.**
3. What do you notice about the translations?
The second translation for each shape is the opposite.



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

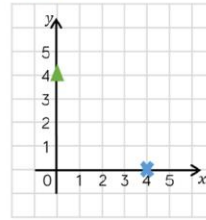


Can you explain his mistake?

Tommy has counted one move to the right when he has not moved anywhere yet. He has done the same for one move up when he has not moved up one space yet.

▲ 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?

What do you notice about the coordinates of these points?

Possible answers

include:
 (0,1) (1,0)
 (0,2) (2,0)
 (0,3) (3,0)
 (0,5) (5,0)
 (1,1) (3,3)
 (0,0) (4,4)