

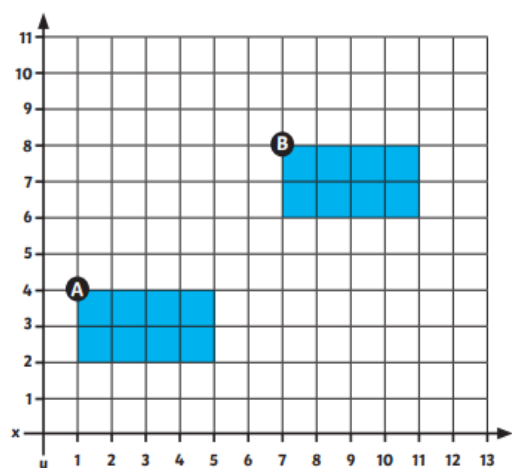
Year 4 maths

Aim – translate a shape and write the coordinates of it's new position.

Task 1

Watch this YouTube video of how to translate a shape, the video is 9 minutes long **ONLY WATCH THE FIRST 6 MINUTES!!!!** You don't need to know or understand the last 3 minutes!! <https://www.youtube.com/watch?v=E4XXbuAmcQQ> This link is in the resource section.

This is an example of the questions I would like you to answer. Look at how the answer has been written. Use the method described on the video to work out the translation – colour each corner, count the squares how it has been moved.

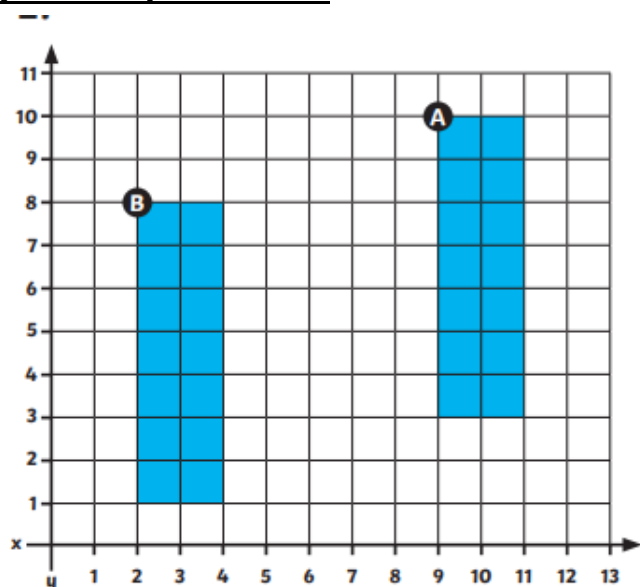


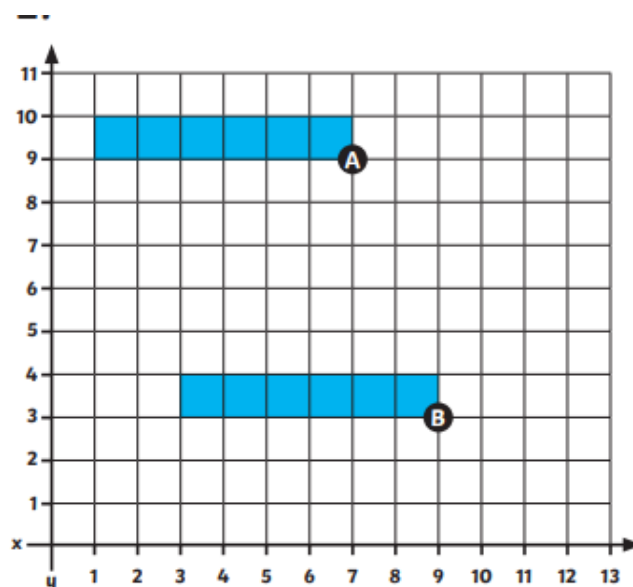
The rectangle has been translated
6 squares right and 4 squares up.

A = 1,4

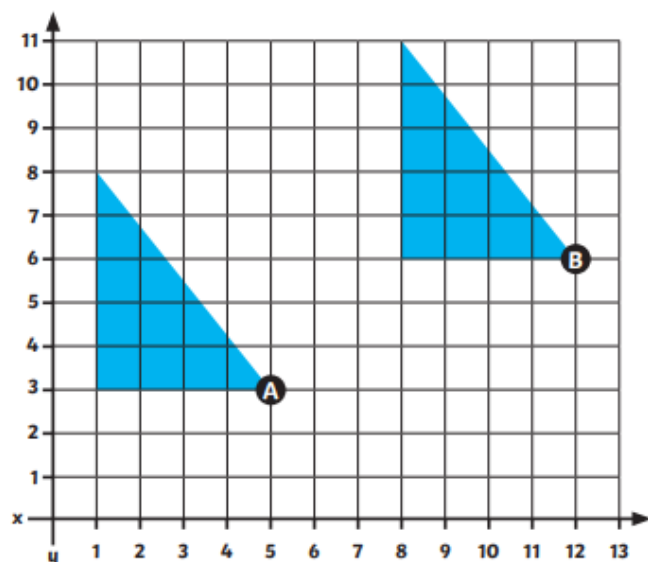
B = 7,8

Try these questions:-

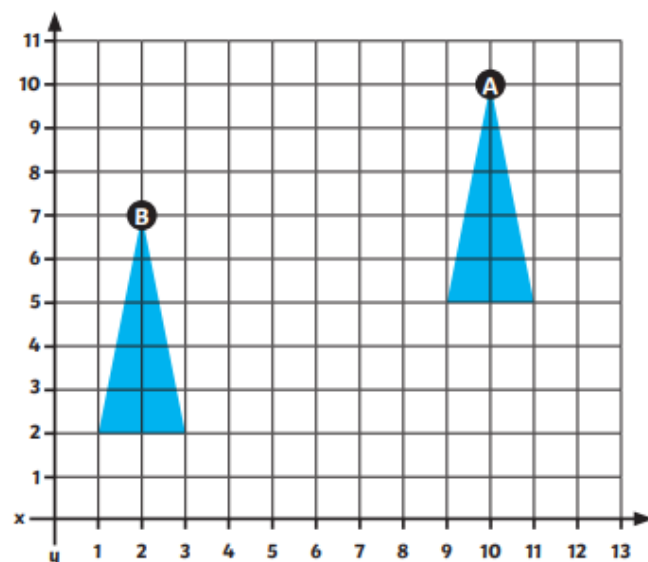




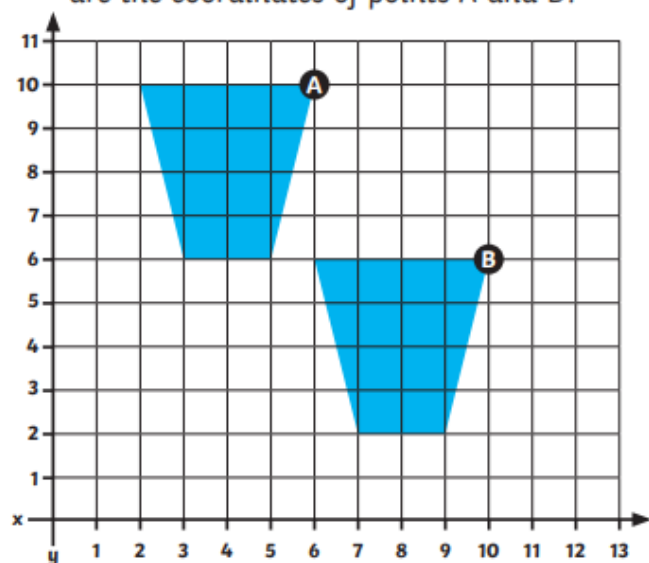
3.



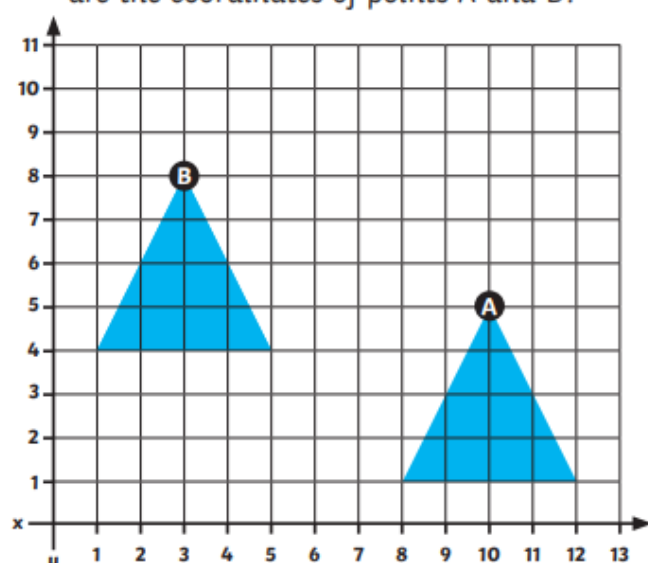
4.



5. How has the shape been translated? What are the coordinates of points A and B?



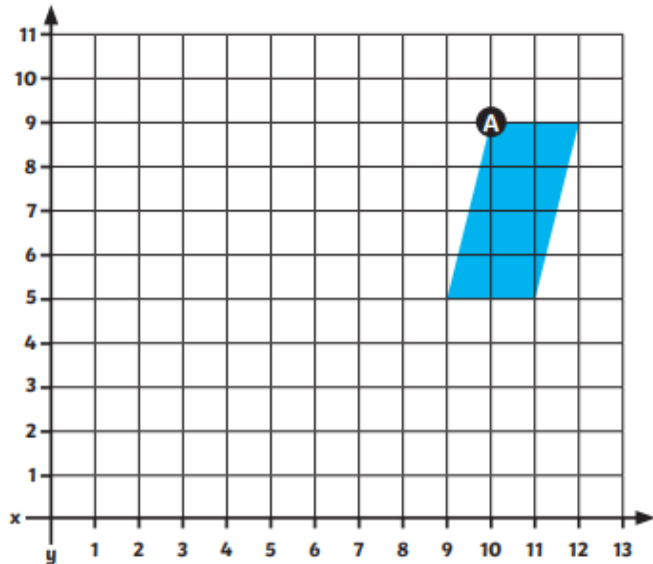
6. How has the shape been translated? What are the coordinates of points A and B?



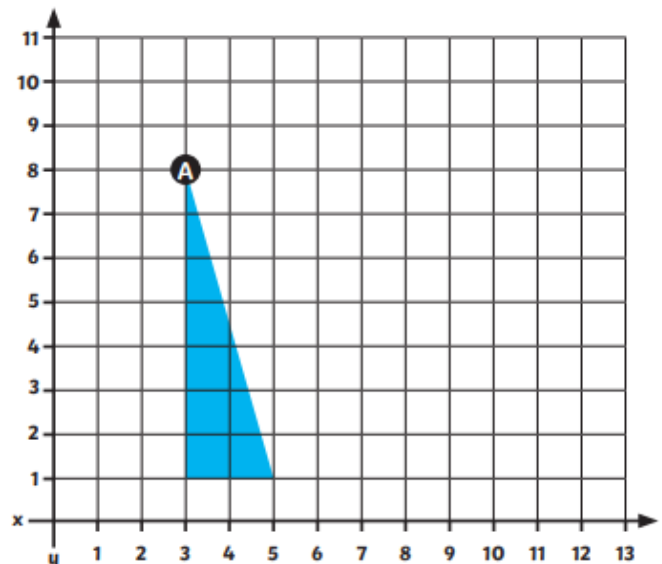
Task 2

Use your maths book or print this page out, can you translate these shapes? Use the method that was described on the YouTube video.

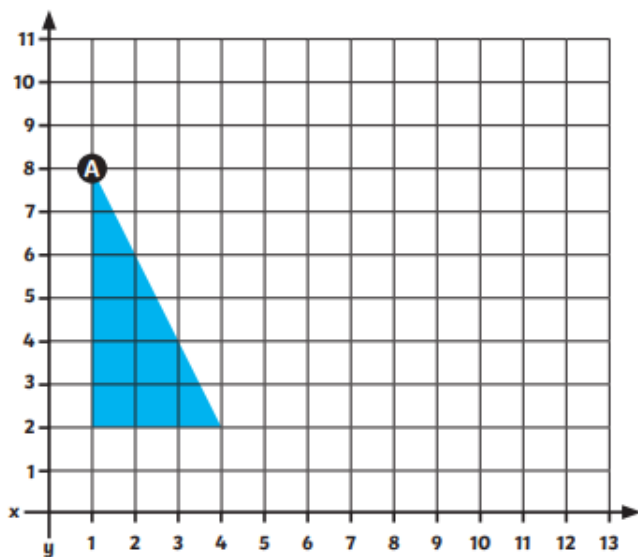
7. Shape A has been translated 8 squares left and 1 square down. Draw the new shape and write the coordinates.



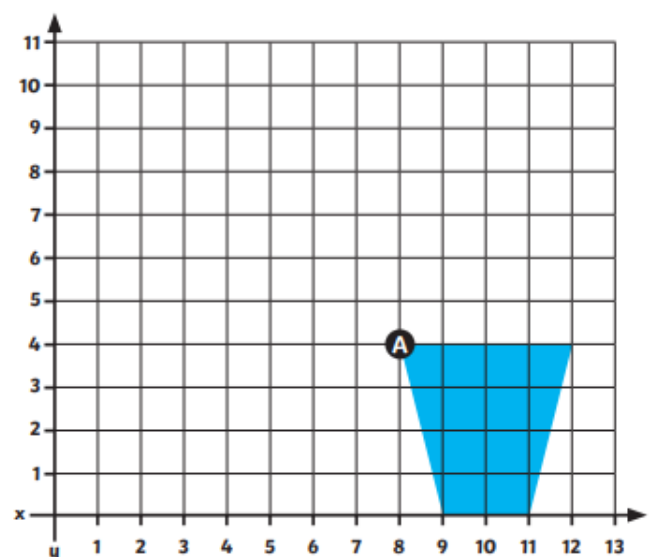
8. Shape A has been translated 6 squares right and 1 square up. Draw the new shape and write the coordinates.



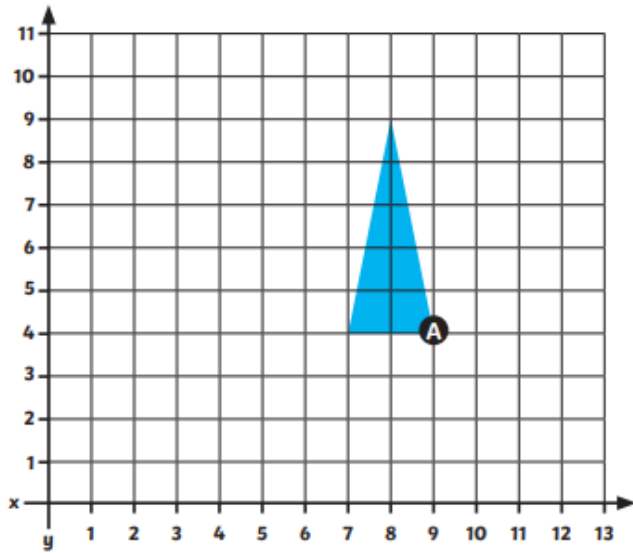
3. Shape A has been translated 5 squares right and 2 squares down. Draw the new shape and write the coordinates.



4. Shape A has been translated 3 squares left and 7 squares up. Draw the new shape and write the coordinates.



5. Shape A has been translated 6 squares left and 4 squares down.



6. Shape A has been translated 7 squares right and 5 squares up.

