

This week, there are 4 lessons as we are hoping you will spend Monday completing activities in support of World Ocean Day

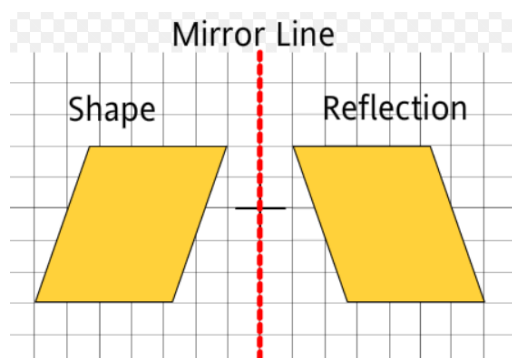
LO: To reflect a shape

What is a reflection? Where might you find one?

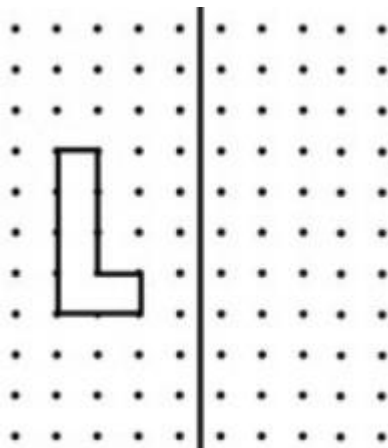


In these pictures, the water acts as a mirror to reflect the image!

This shows how a reflection may look in Maths:



Try and reflect the shape on the grid. The mirror is the black line.



It can be easier to use coordinates to help with reflecting shapes.
Watch this video clip to remind how coordinates work.

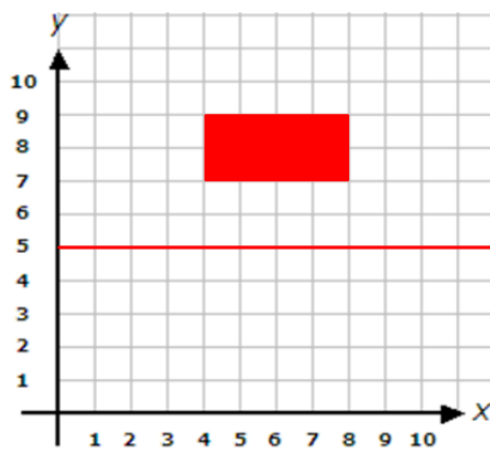
<https://www.bbc.co.uk/bitesize/clips/z7qmpv4>

Remember:

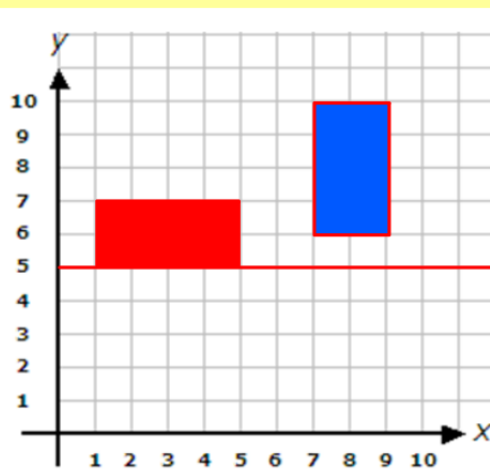
*Along the corridor,
up the stairs.*

Talk task:

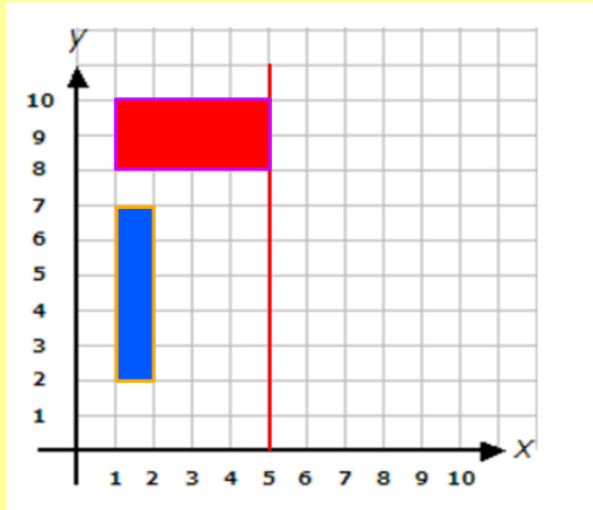
Can you reflect the rectangle in the red line?



Let's try another.



Can you reflect the rectangles in the red line?

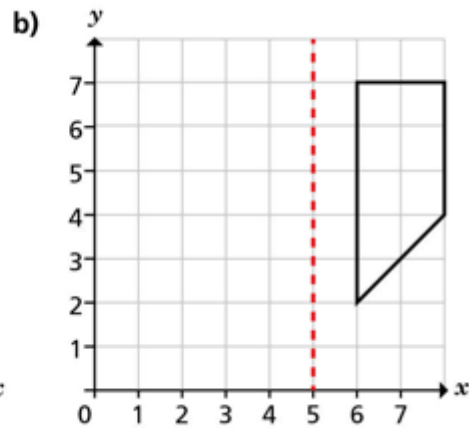
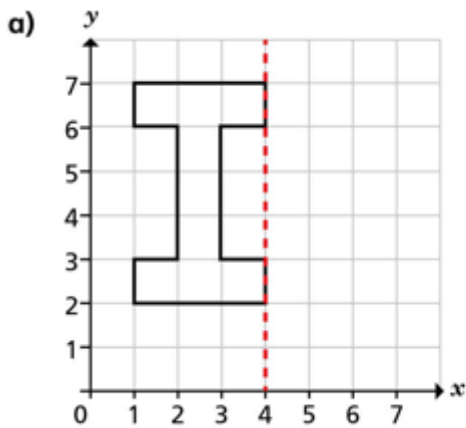


Can you reflect the rectangles in the red line?

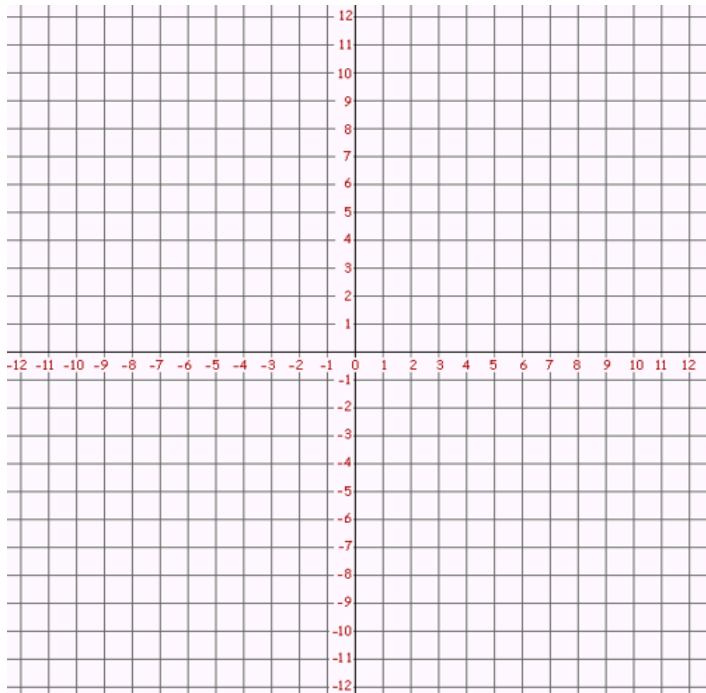
Now have a go at the independent task attached for Tuesday.

LO: To reflect a shape in a given line

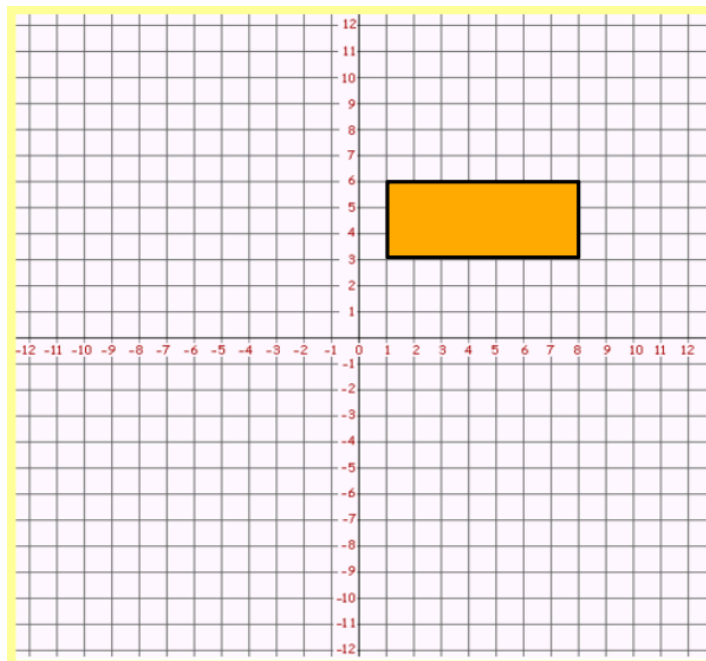
Have a go at these to remind you of what we completed yesterday:



Look at this grid with 4 quadrants. What do you notice about the numbering?

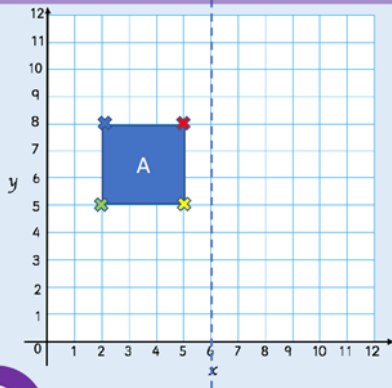


Have a go at reflecting the rectangle in the x axis (the horizontal one)



Now have a go at this:

Write the coordinates of the shape after it has been reflected in the mirror line.

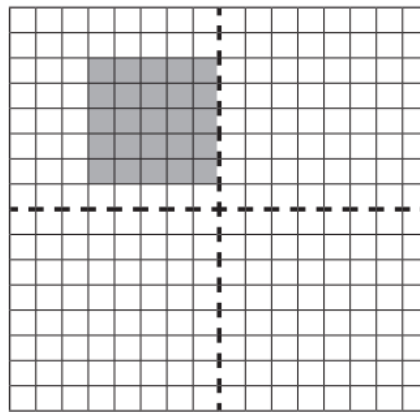
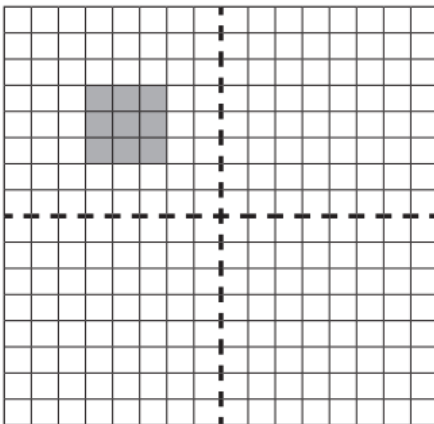


Point	Original Coordinate	Reflected Coordinate

?

Write the coordinates of the vertices for each shape.

Now have a go at drawing these reflected in both lines of symmetry:



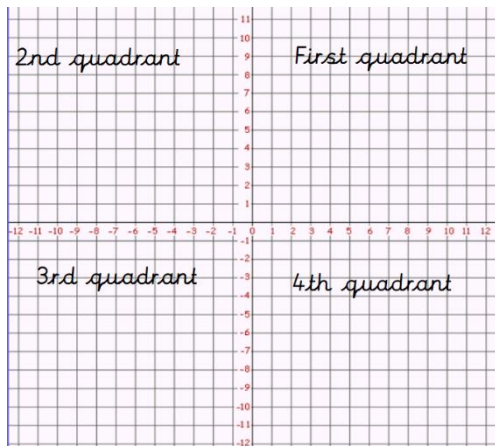
Have a go at the independent task for Wednesday.

LO: To be able to plot points on a coordinate grid

What is a coordinate?

Remember the video from earlier in the week. You could watch again to remind yourself.

These are the names of the quadrants:



Which is the x axis and which is the y axis?

Now have a go at plotting your own coordinates on the attached sheet - Shark Infested Coordinates

LO: To solve a problem involving coordinates

Look back over the notes from yesterday about how to read coordinates

Now see if you can solve this problem:

<https://nrich.maths.org/5038>

When you have had a go at solving it, you can click on the 'solution' tab on the left-hand side and have a look at the responses from other students.