Home Learning Thursday 18th June 2020 Maths

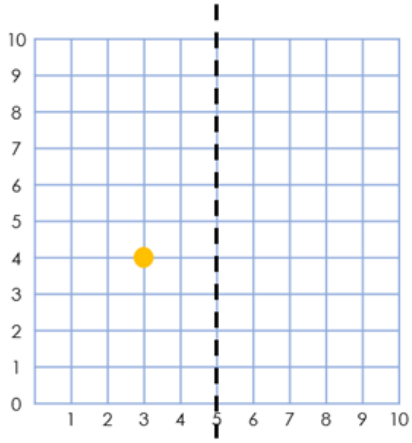
L.O: I am learning to reflect in a mirror line using coordinates.

Today you will explore what happens when points are reflected in lines that are parallel to the axes. You will analyse what happens to the object when reflected; what is the same? What is different? We will also look at the coordinates of the vertices when reflected in a mirror line.

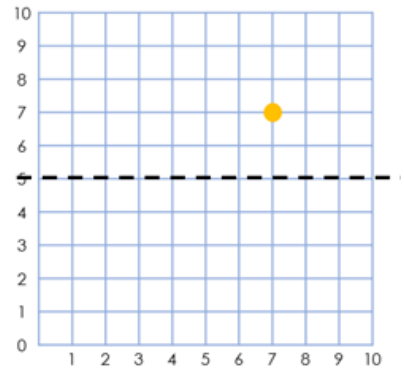
Answer the questions on the separate worksheet that comes with this assignment. Turn the completed work in so that the teacher can mark and comment on your work.

Reflecting coordinates

We can use our understanding of the reflection of shapes in a mirror line to reflect individual coordinates.



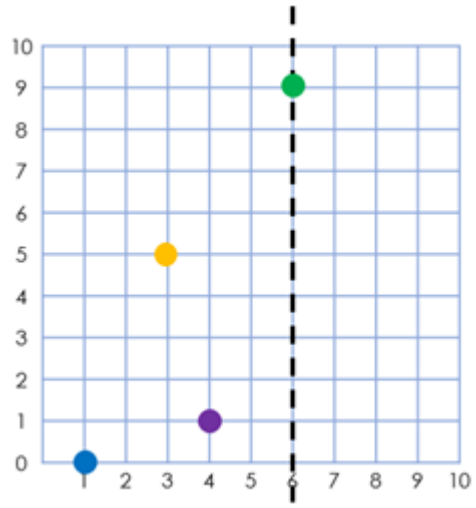
Point (3,4) is reflected in the vertical mirror line is (7,4)



Point (7,7) is reflected in the vertical mirror line is (7,3)

Let's Practise

Plot the reflection of each coloured in the vertical mirror line. Write down the new coordinates for each reflected point. The green point will be done for you. Use the same sentence to write down the yellow, purple and blue reflected coordinates.



The reflected green point coordinates are (6,9) because it is reflected in the mirror line. (It doesn't move)

Write your answers below

Now go to the worksheet for today's tasks and choose your challenge!