Maths 11/6/20 Unit – Shape

LO: to describe reflections using coordinates

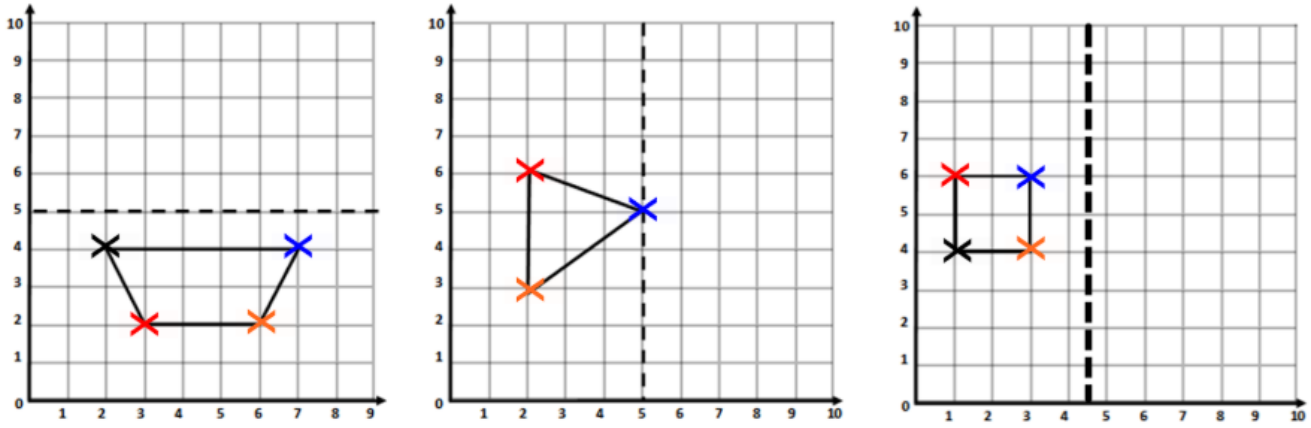
https://www.thenational.academy/year-5/maths/to-describe-reflections-using-coordinates-year-5-wk2-2

You do not need to print these pages. Answers can either be recorded in your work book or on a piece of paper. The following questions are also included in the web link.

Questions:

Independent Task

Using the line of reflection, write the coordinates for the original shape and then work out the coordinates for the reflection.



Remember to: Count the units to the line of reflection.
Count the same units away from the line of reflection.

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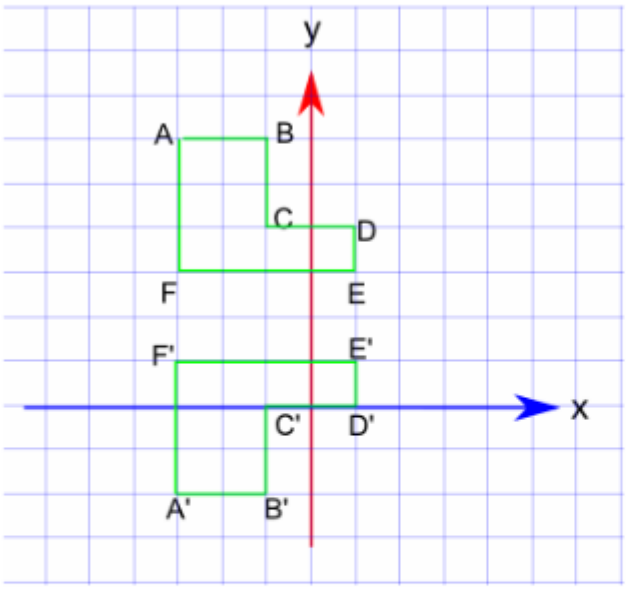
To describe reflections using coordinates

What is a mathematical reflection? 1 point

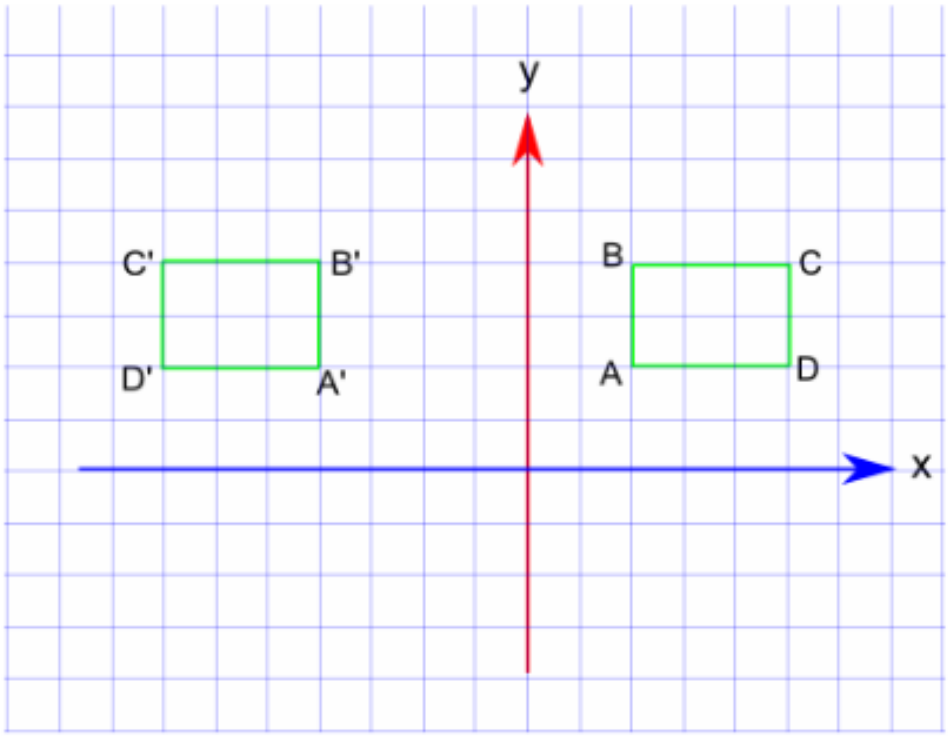
- A careful thought about something important
- A transformation where each vertex in a shape appears at an equal distance on the opposite side of an imaginary line.
- The image you see in a mirror
- None of the above

The L-shape A'B'C'D'E'F' is the image of the L-shape ABCDEF after reflection in which of the following lines? 1 point



- The x axis
- The y axis =2
- The x axis =2
- The y axis = x
- None of the above

About which line should the rectangle A'B'C'D' be reflected in order to get the rectangle ABCD? 1 point



- The line x = -1
- The line y = -1
- The y axis
- The line y = x
- None of the above