



Aim

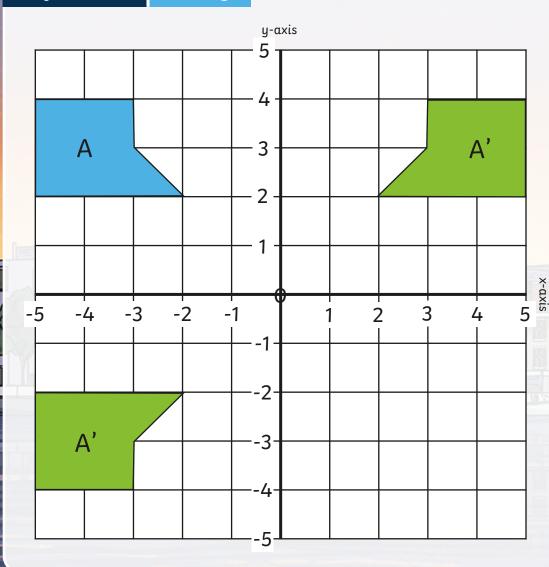
• Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.





Diving





Shape A is reflected in the y-axis.

Give the coordinates of the reflected shape.

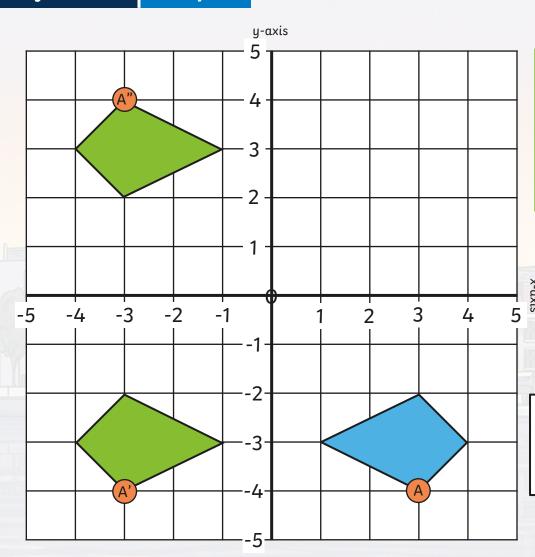
The original shape is now reflected in the x-axis.

Give the coordinates of the reflected shape.

Reflections

Deeper

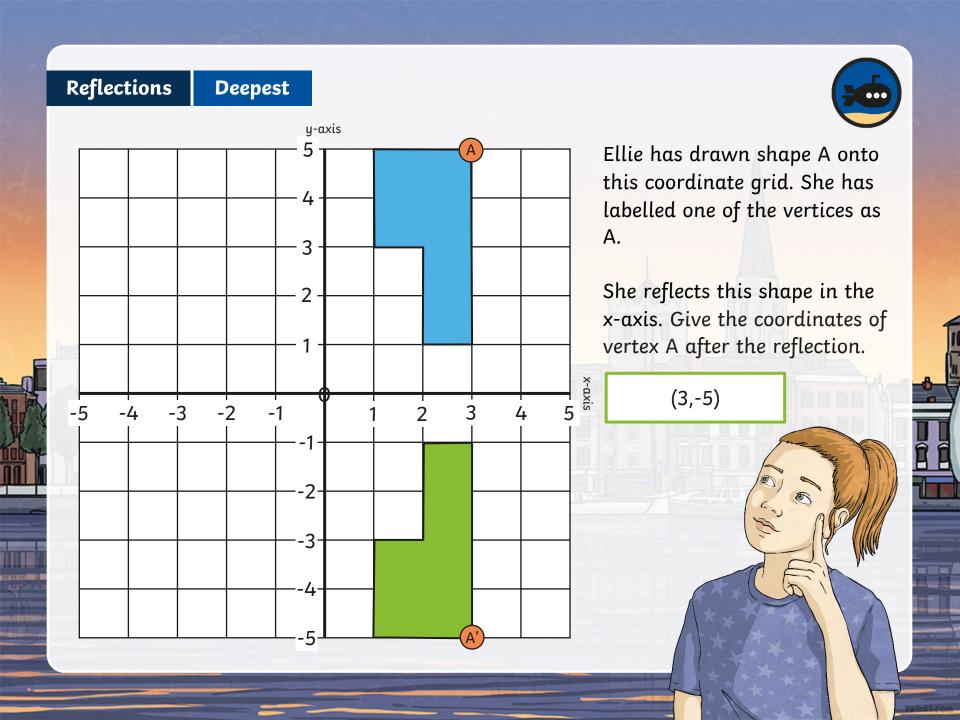




Dylan is incorrect. He has given the coordinate for the wrong vertex. Vertex A is now at (-3,4) after the reflection in the x-axis.

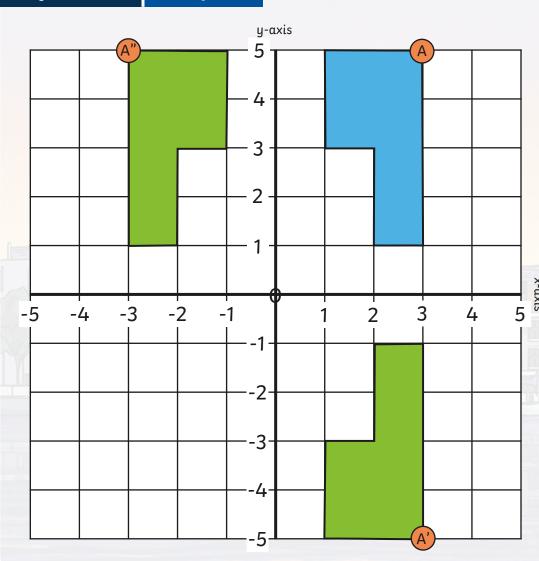
After both reflections vertex A has now moved to (-3,2)

Is Dylan correct? Explain your answer.



Reflections

Deepest



Ellie now reflects her original shape in the y-axis. Give the coordinates of point A, after the reflection?

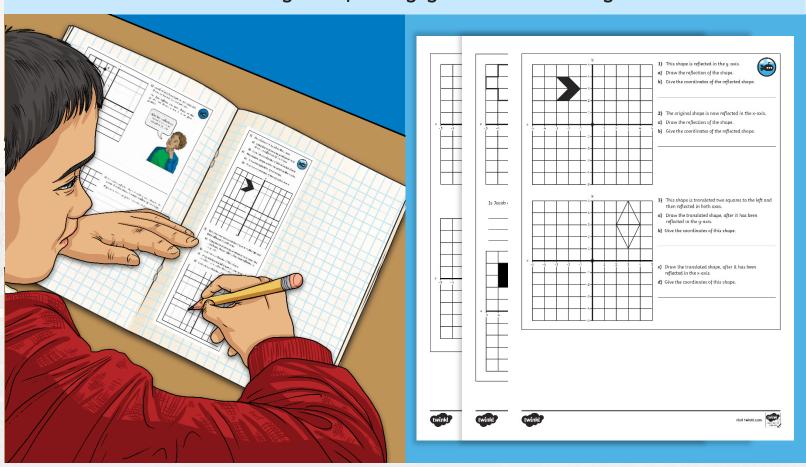
(-3,5)

What do you notice about the coordinates of vertex A after each reflection?

When you reflect the shape in the x-axis, the coordinates of vertex A still have digits, but the negative sign coordinate are you reflect the axis, the coordinate still have the posit of the x

Reflections

Dive in by completing your own activity!



Need Planning to Complement this Resource?

National Curriculum Aim

Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.

For more planning resources to support this aim, <u>click here</u>.





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