

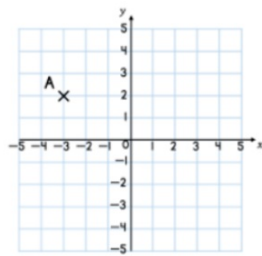
15.11.21

<u>LO: Reflection</u>
<i>I know what changes about an object when it is reflected in a mirror line</i>
<i>I can count the number of squares a point is away from the mirror line to help me reflect correctly</i>
<i>I understand how the coordinates of a point change when it is reflected</i>

Flashback 4

Year 6 | Week 12 | Day 3

- 1) What are the coordinates of point A?



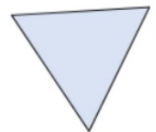
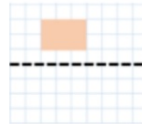
D

- 2) $\frac{1}{9} \times 2 + 4$
- 3) $2\frac{2}{5} + 1\frac{3}{10}$
- 4) $7,501 \div 3$

Flashback 4

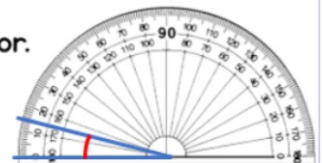
Year 5 | Week 8 | Day 3

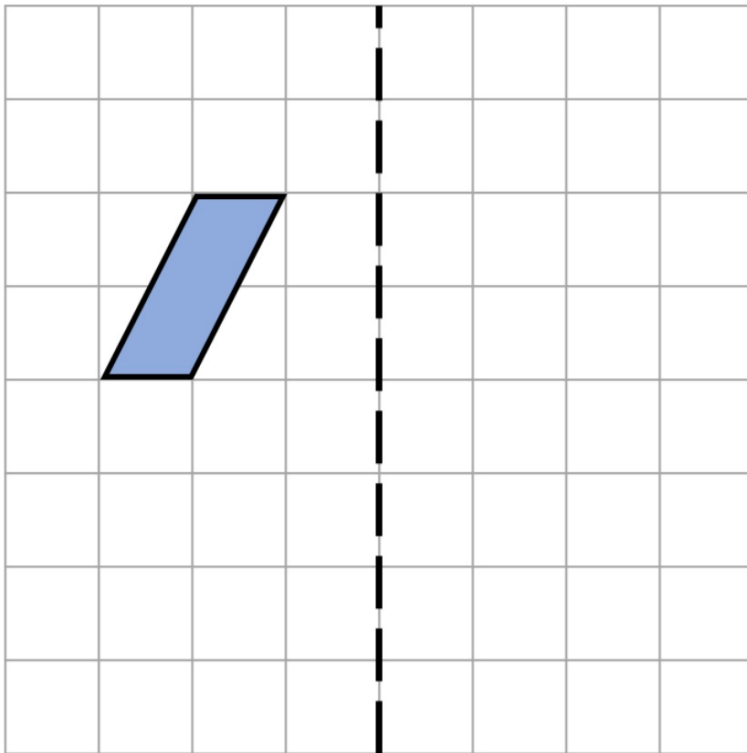
- 1) Reflect the shape in the mirror line.



- 2) How many faces does a hexagonal prism have?
- 3) Read the angle shown on the protractor.
- 4) Complete the sequence.

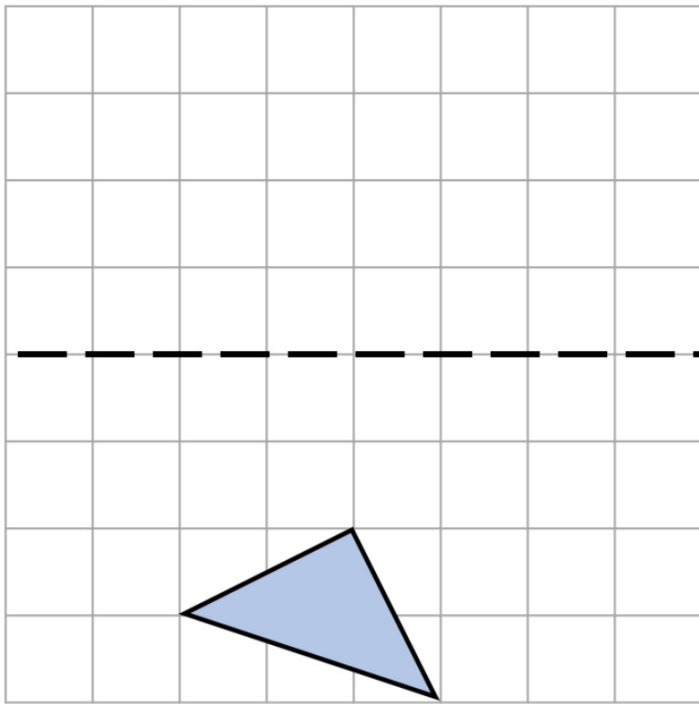
$3\frac{1}{4}, 2\frac{3}{4}, \boxed{}, 1\frac{3}{4}$



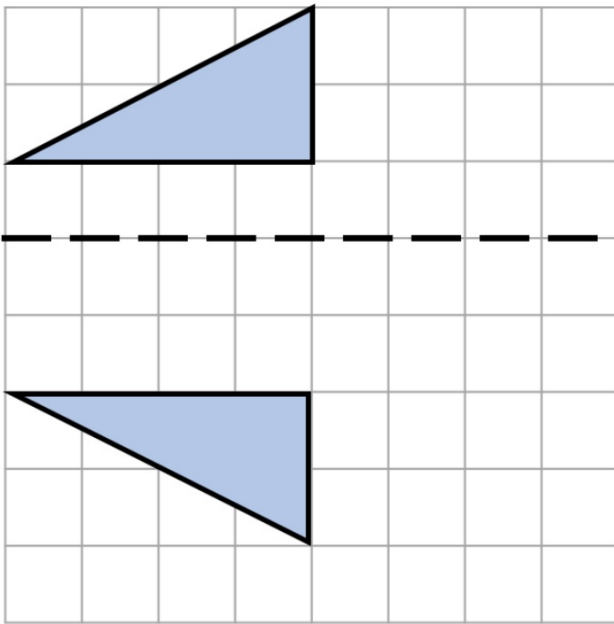


Reflect the
shape in the
mirror line

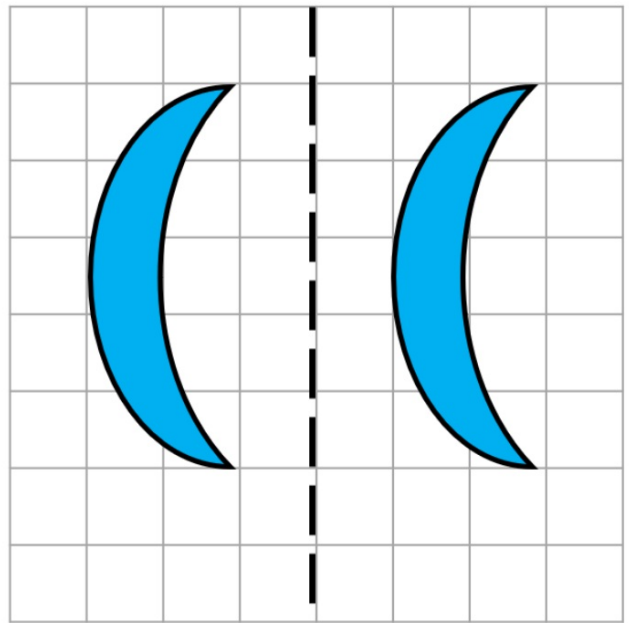
model by counting squares from the mirror line for each vertex

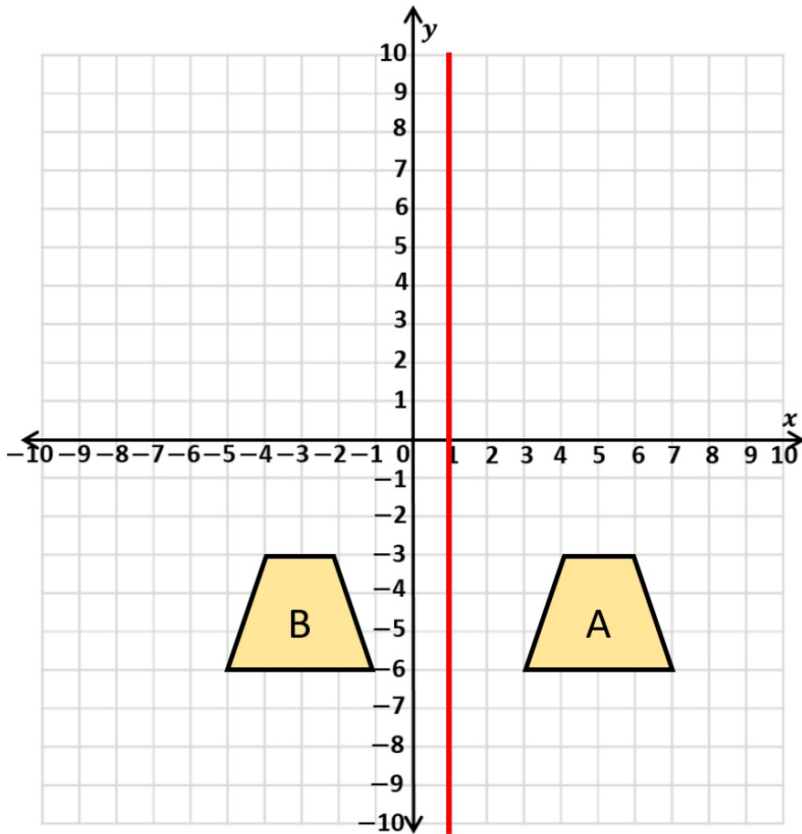


We are going to reflect the triangle in the horizontal mirror line



Explain the error in each reflection.





Reflect shape
A in the line

$$x = 1$$

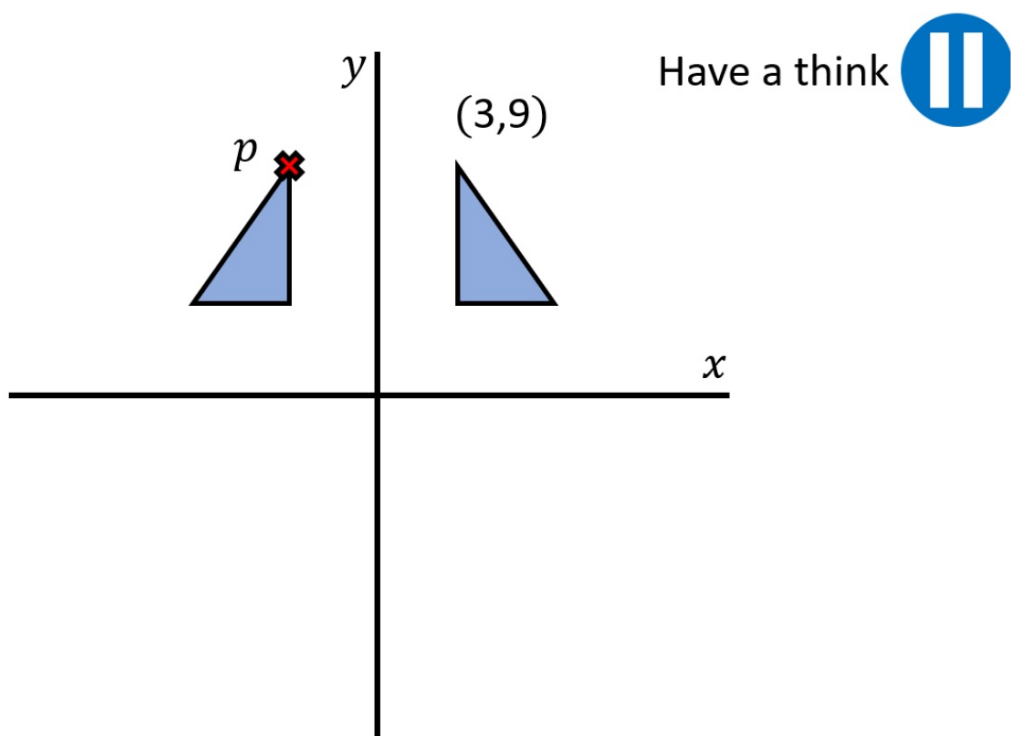
What has happened here?

You try:

Reflect shape

B in the line

$$y = 1$$



Have a think



The triangle is reflected in the y -axis.
What will be the coordinate of the vertex p ?



Dora

When you reflect a shape, its dimensions change.

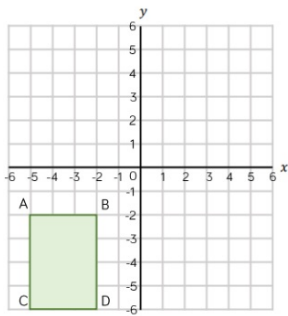
Do you agree with Dora?
Explain your thinking.



The rectangle is pink and green.
The rectangle is reflected in the mirror line.
What would its reflection look like?

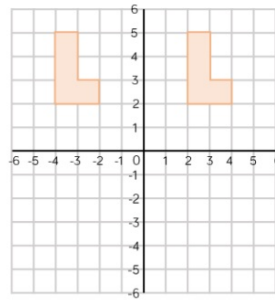
Rectangle ABCD is the result of a rectangle being reflected in either the x - or the y -axis.

Where could the original rectangle have been? Draw the possible original rectangles on the coordinate grid, and label the coordinates of each vertex.



Annie has reflected the shape in the y -axis.

Is her drawing correct?
If not explain why.

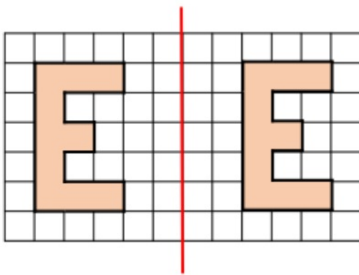


True or False?

Reflection

The object on the left has been reflected in the vertical mirror line to give the image on the right.

year 5

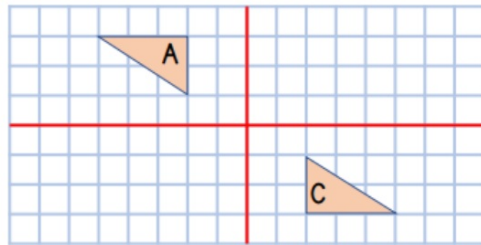


White Rose Maths

True or False?

Reflections

The shape in position A has been reflected in the x-axis and then the y-axis to result in position C.



year 6

White Rose Maths

True or False?

Reflection

True or False?

Reflections

A