Canonbury Home Learning

## Year 6 Maths

## Developing activity

## Lesson 2

## LO: TBAT reflect shapes.

## Success Criteria:

## 1. Copy the graph.

## 2. Write the shapes coordinates.

3. Draw and write the new coordinates of the reflected shape.

## Model

## Reflect / Reflection

A shape is reflected about a line when it is flipped over a mirror line.


Every point of the shape is the same distance from the mirror line as the same point on the reflected shape.

## Axis / Axes

A coordinate grid has axes. $y$
The x axis is horizontal.
The y axis is vertical.

## Now you try...



## Year 6 Maths

Expected/Greater depth activity

## Lesson 2

## LO: TBAT solve problems including reflection.

## Task:

You are going apply your knowledge to solve several problems including reflecting shapes.

## Success Criteria:

| 1. Revise your knowledge reflection. |
| :--- |
| 2. Draw the grids and shapes. |
| 3. Reflect in the correct quadrant, writing the new coordinates. |

Recap:

Reflection and Translation of Shapes Vocabulary


## Co-ordinates in the 4 Quadrants



STMMetry Lines of STMmettr


Lines that split the figure in half.
Both edes are exactly the samel

## Canonbury Home Learning

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## Main activity

Complete at least 2 columns, more if you can!


Task 3
Here is a pattern on a window.
The shaded triangle is a reflection of the white triangle in the mirror line.


Write the co-ordinates of point A and point B .



Draw how the pattern would look from the other side of the window.


