

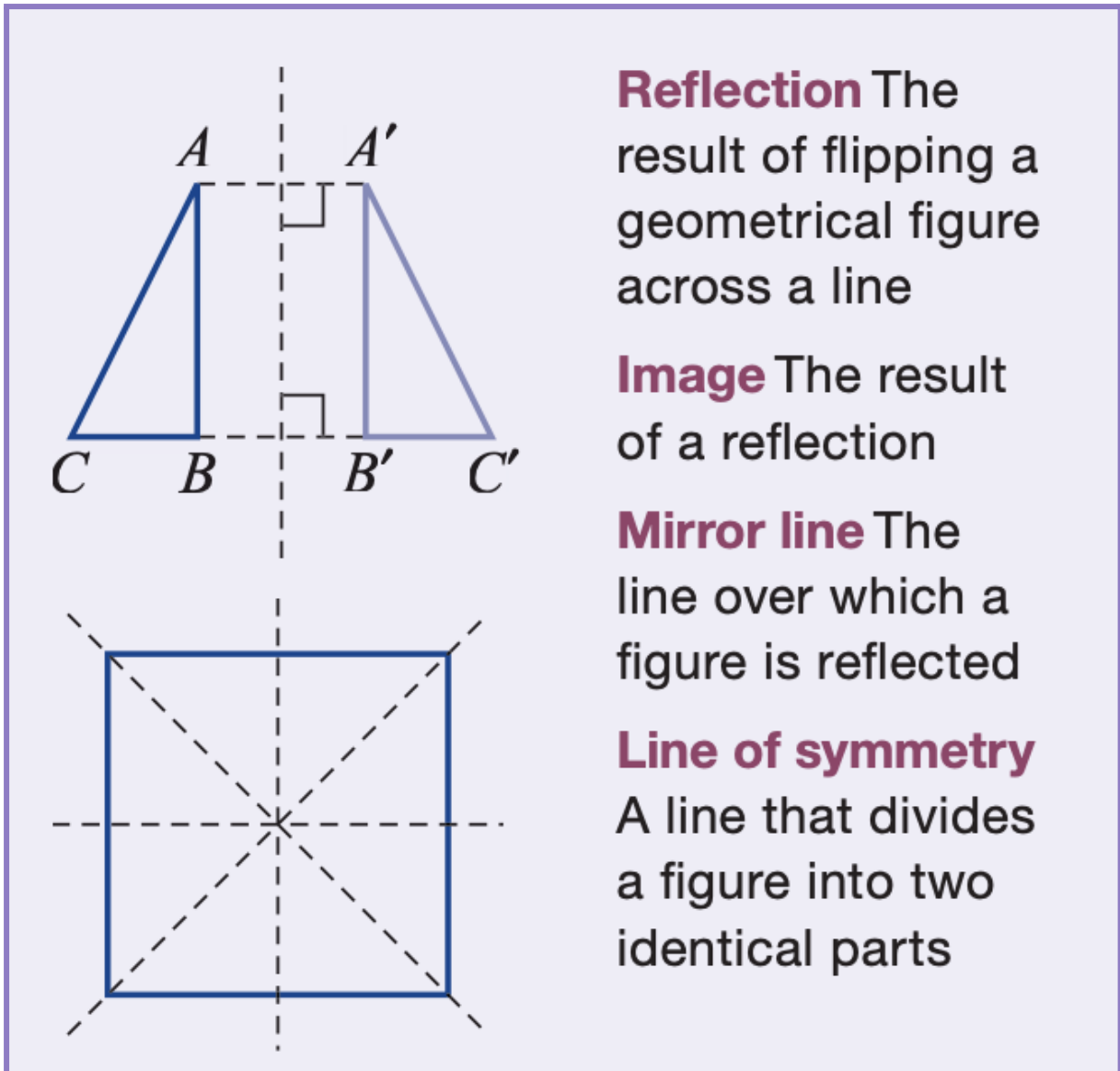
WALT To reflect an image as per the given instructions

Success Criteria I know...

- reflection a transformation in which the size and shape of the object is unchanged,
- Image of a point A is denoted A'
- Each point is reflected at right angles to the mirror line
- The distance from A to the mirror line is equal to the distance from the image point A'

[Watch a video](#)

Example



Reflection The result of flipping a geometrical figure across a line

Image The result of a reflection

Mirror line The line over which a figure is reflected

Line of symmetry A line that divides a figure into two identical parts


This activity could be done by hand on a page, in a group using a white board


Draw any shape with straight sides.


Draw a vertical or horizontal mirror line outside the shape.


Try to draw the reflected image of the shape in the mirror line.

1 Draw in all the lines of symmetry for these shapes.

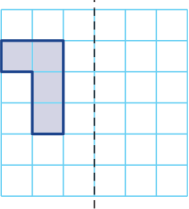
a  square

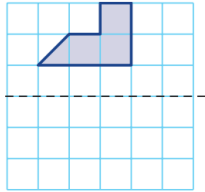
b  rhombus

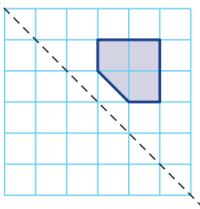
c  rectangle

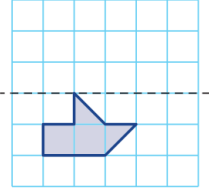
d  kite

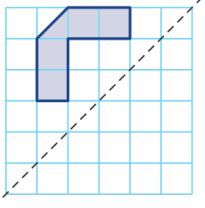
2 Use the grid to precisely reflect each shape in the given mirror line.

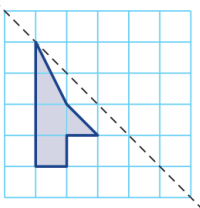
a 

b 

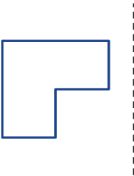
c 


d 


e 

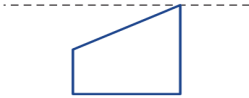
f 

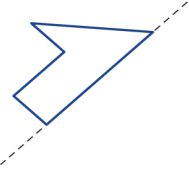
3 Copy the diagram and draw the reflected image over the given mirror line.

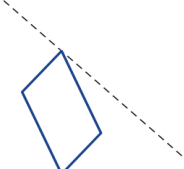
a 

b 

c 

d 

e 

f 

Start by reflecting each vertex point at 90° across the mirror line. Then join these points to form the shape.

