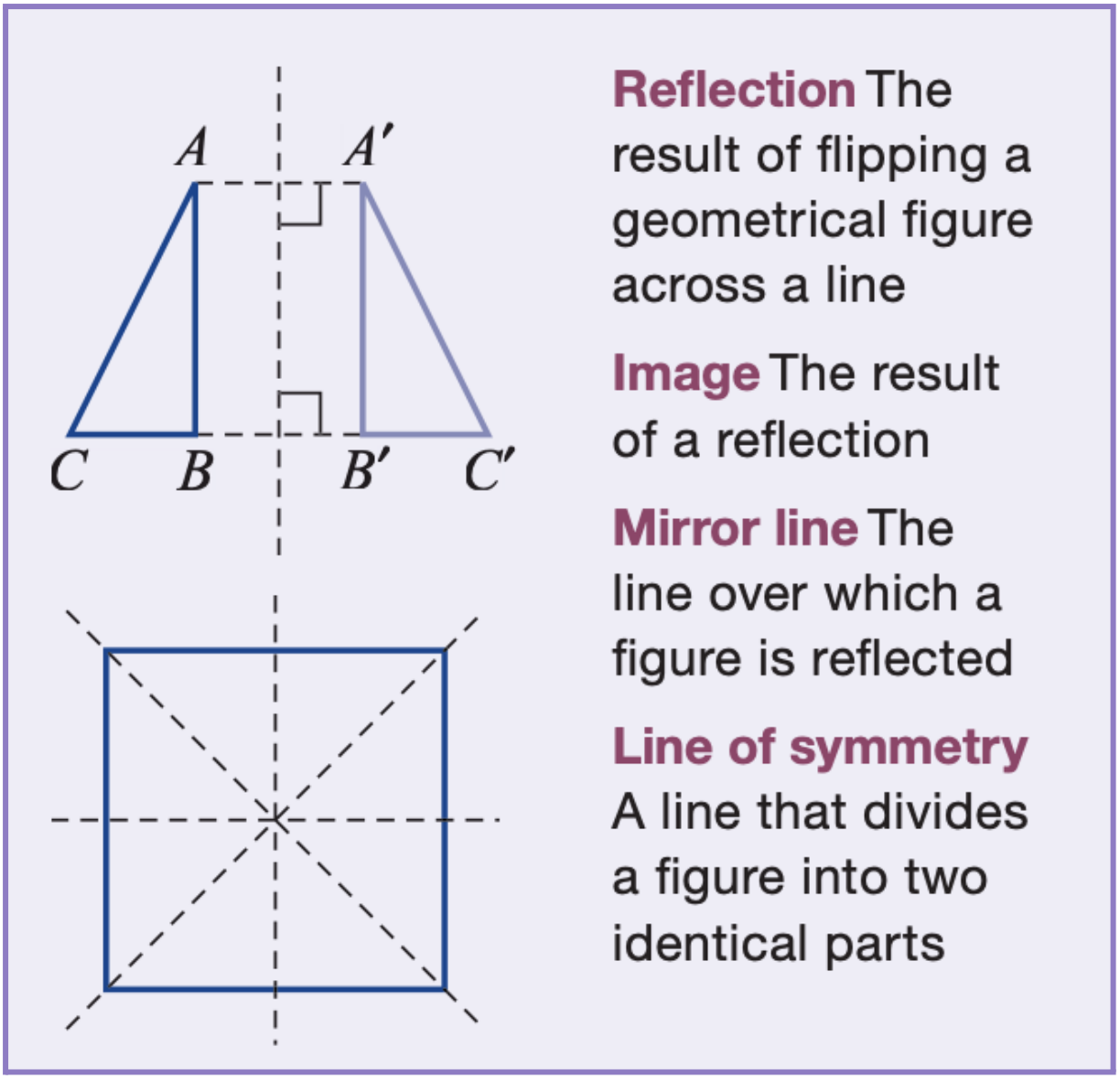
WALT To reflect an image as per the given instructions
SUccess Criteria I know…

- 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



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

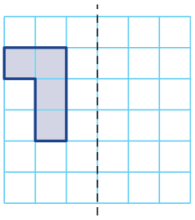
rectangle

d

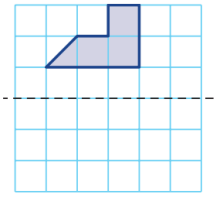
kite

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

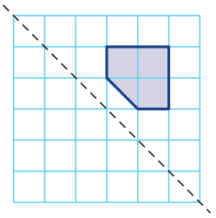
a



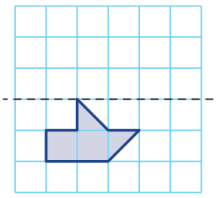
b



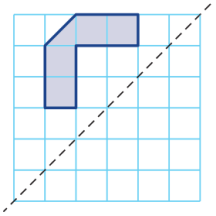
c



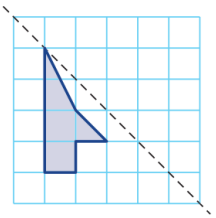
d



e

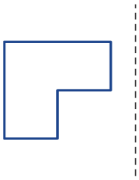


f



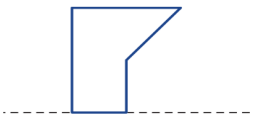
3 Copy the diagram and draw the reflected image over the given mirror line.

a

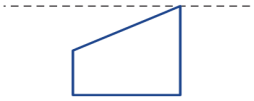


b

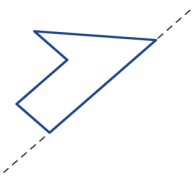
c



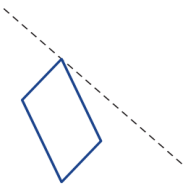
d



e



f



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