Set 1

1 Draw all lines of symmetry on each figure.

a.   b.   c.   d.
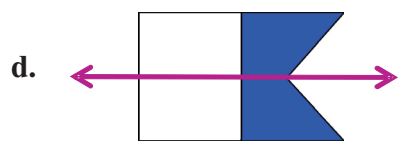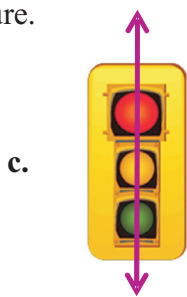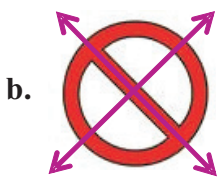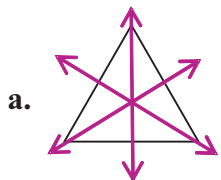
2 Sketch a figure that has both a vertical and a horizontal line of symmetry. Include lines of symmetry on the figure.

Possible answers:
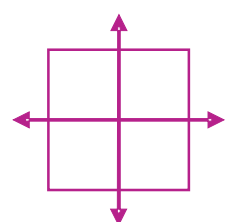
Set 2
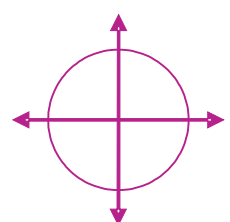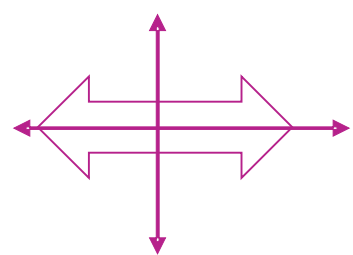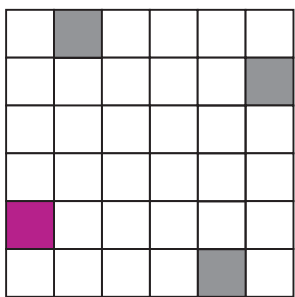
1 Shade one square so the figure has rotational symmetry.

2 List all the angles of rotational symmetry. Then name the order of rotational symmetry.

<div align="center">

90°, 180°, 270°:
Order 4

</div>

Set 3

1 Is it possible for a figure to have point symmetry but not rotational symmetry? Explain.

<div align="center">

No: Point symmetry is the same as 180° rotational symmetry.

</div>

2 Sketch a figure that has point symmetry.

Possible answer:

<div align="center">

48

</div>