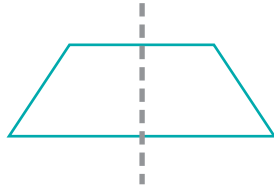


Symmetry in Triangles and Quadrilaterals

NCTM Standards 3, 6, 7, 8, 9, 10

Sketch any lines of symmetry for these figures.

1



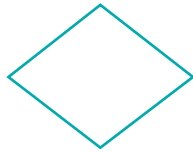
line(s) of symmetry

2



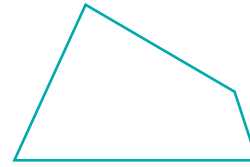
line(s) of symmetry

3



line(s) of symmetry

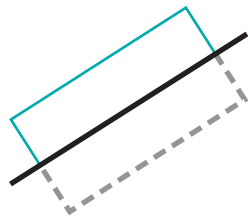
4



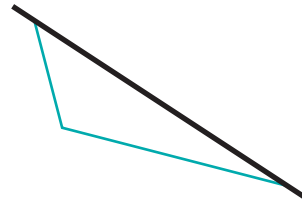
line(s) of symmetry

Complete each figure by reflecting across the line of symmetry.

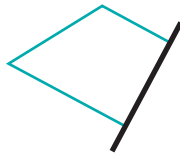
5



6

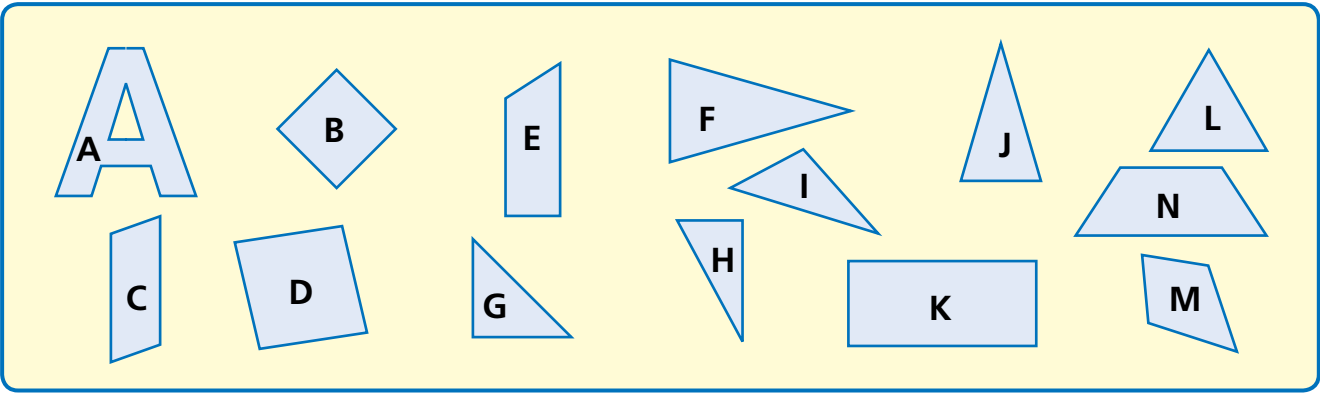


7



8





Draw the lines of symmetry for each figure and list all figures with:

- 9 no lines of symmetry _____
- 10 exactly 1 line of symmetry _____
- 11 exactly 2 lines of symmetry _____
- 12 exactly 3 lines of symmetry _____
- 13 more than 3 lines of symmetry _____

Write whether the statement is *true* or *false*.

- 14 If a quadrilateral has exactly 1 line of symmetry, it is a rectangle. _____
- 15 If a triangle has more than 1 line of symmetry, it's equilateral. _____
- 16 If a triangle has 0 lines of symmetry, it's scalene. _____

Challenge

- 17 If a figure has exactly 2 lines of symmetry, it's not a triangle. _____
- 18 If a figure has exactly 3 lines of symmetry, it's not a quadrilateral. _____
- 19 A rhombus has more lines of symmetry than any other quadrilateral. _____