

Symmetry

TAKS Objective 3
TEKS 3.9B, 3.9C

Solve each problem.

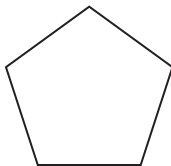
1. A standard deck of playing cards has 4 suits—clubs, diamonds, hearts, and spades. Which suit picture has the most lines of symmetry? How many?



3. Which of these triangles does NOT have at least one line of symmetry?



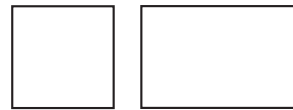
5. What qualities should a five-sided figure have so that it has the greatest number of lines of symmetry?



2. Ariana’s school locker number is shown below. Which digit has two lines of symmetry? Which digit has only one line of symmetry? Which digit has no lines of symmetry?

3 5 8

4. Which quadrilateral has more lines of symmetry, the square or the rectangle?



6. Without actually counting, which of these figures would have the greatest number of lines of symmetry? Why?