

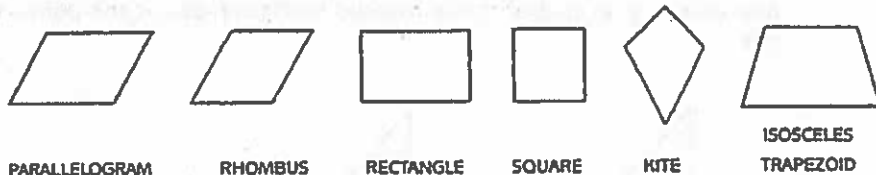
Activity



Properties of Quadrilaterals

Materials: either use models or make drawings of each of the quadrilaterals before you begin.

Determine which of the listed quadrilaterals have the indicated characteristics. Fill in the chart. As you do, think about how distinctions can be made between these figures on the basis of their properties.



CHARACTERISTICS	PARALLELOGRAM	RHOMBUS	RECTANGLE	SQUARE	KITE	ISOSCELES TRAPEZOID
All sides congruent						
Both pairs of opposite sides congruent						
Adjacent sides congruent						
All angles congruent						
Opposite angles congruent						
Both pairs of opposite sides parallel						
Congruent diagonals						
Diagonals perpendicular						
Has reflective symmetry						
Has rotational symmetry						

Activity



Categorizing Quadrilaterals

Which quadrilaterals fit each of the following clues? (A clue may apply to more than one figure, depending on its degree of specificity.)

- Figure A has 4 congruent sides and 4 congruent angles.
- Figure B has 4 sides that are congruent, but the 4 angle measures are not equal.
- Figure C has 2 pairs of congruent sides and 4 congruent angles.
- Figure D has only 1 pair of parallel sides.
- Figure E has exactly 2 pairs of congruent sides.