Enrichment 6-1
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Relationships Among Quadrilaterals

Answer the following exercises *All, Some,* or *No*.

1. __?__ rectangles are squares.

2. __?__ isosceles trapezoids are parallelograms.

3. __?__ trapezoids are isosceles trapezoids.

4. __?__ rhombuses are quadrilaterals.

5. __?__ kites are parallelograms.

6. __?__ rhombuses are squares.

7. __?__ squares are triangles.

8. __?__ rectangles are regular quadrilaterals.

9. __?__ squares are quadrilaterals, rectangles, rhombuses, and parallelograms.

10. __?__ quadrilaterals have four congruent angles.

11. __?__ rectangles are rhombuses.

12. __?__ trapezoids are parallelograms.

13. __?__ trapezoids have both pairs of opposite sides parallel.

14. __?__ trapezoids have a pair of congruent sides.

15. __?__ kites have two pairs of congruent sides.

16. __?__ squares are regular quadrilaterals.

17. __?__ kites have congruent diagonals.

18. __?__ trapezoids have four congruent sides.

19. __?__ parallelograms have four congruent angles.

20. __?__ isosceles trapezoids have one pair of opposite congruent sides.