Mathematical Practices

Explain how trapezoids and parallelograms are different.

Talk

Lower Level

Quadrilaterals

Name _

Essential Question How can you classify and compare guadrilaterals?

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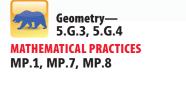
White Problem

A seating chart for a baseball field has many four-sided figures, or **quadrilaterals**. What types of quadrilaterals can you find in the seating chart?

There are five special types of quadrilaterals. You can classify quadrilaterals by their properties, such as parallel sides and perpendicular sides. Parallel lines are lines that are always the same distance apart. Perpendicular lines are lines that intersect to form four right angles.

Complete the sentence that describes each type of quadrilateral. A general quadrilateral has A parallelogram has

4 sides and 4 angles. opposite that are and parallel. A rhombus is a special A rectangle is a special parallelogram with parallelogram with _____ right angles and 4 pairs of congruent sides. sides. A square is a special A trapezoid is a parallelogram with quadrilateral with exactly congruent sides 1 pair of sides. and _____ right angles. So, the types of quadrilaterals you can find in the seating chart of the field are Math



Lesson 11.3

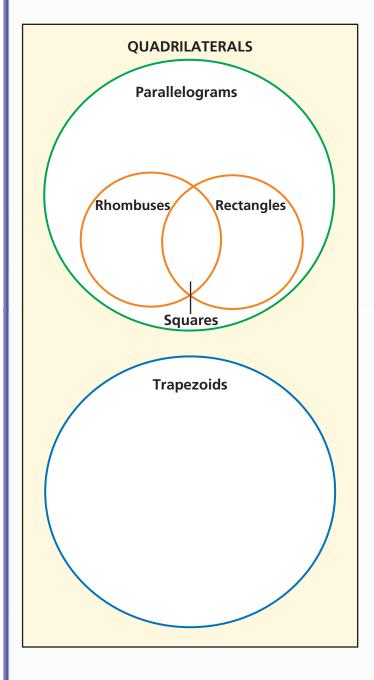


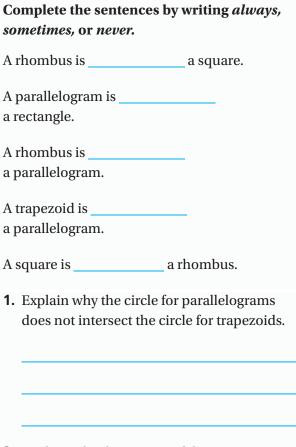
Activity

Materials quadrilaterals scissors

You can use a Venn diagram to sort quadrilaterals and find out how they are related.

- Draw the diagram below on your MathBoard.
- Cut out the quadrilaterals and sort them into the Venn diagram.
- Record your work by drawing each figure you have placed in the Venn diagram below.





 Explain why the section of the Venn Diagram for squares intersects with both the section for rhombuses and the section for rectangles.

