

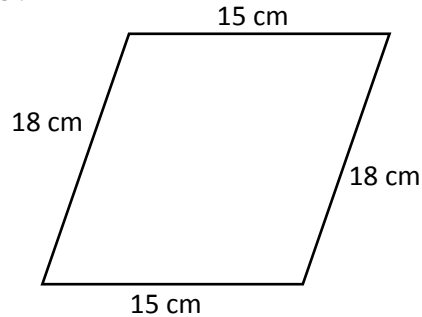
Name _____

Date _____

Classify Two-Dimensional Figures - Guided Lesson Explanation

Explanation#1

"Identify the shape?"

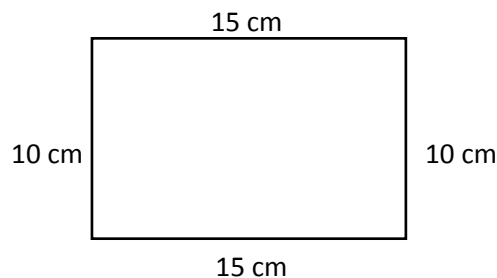


A parallelogram is a quadrilateral in which both pairs of opposite sides are parallel and congruent. Congruent sides are the same length.

So, this shape is a parallelogram, because both pairs of opposite sides are parallel and congruent.

Explanation#2

"Which words describe this shape?"



A parallelogram is a quadrilateral in which both pairs of opposite sides are parallel and congruent. Congruent sides are the same length.

A rhombus is a parallelogram with 4 sides that are congruent.

A Trapezoid has 4 sides and no parallel sides.

A rectangle is a parallelogram with 4 right angles.



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Step 3) Parallelogram - Yes, it has congruent sides and they are parallel.

Rhombus – Yes, it matches all criteria.

Trapezoid – No, because it has parallel lines.

Rectangle - Yes, it matches all criteria.

Rectangle Parallelogram Rhombus Trapezoid

Explanation#3

Step 1) First we look to see what is being asked of us.

“Classify each quadrilateral”

Step 2) A quadrilateral is a polygon with 4 sides.

a. A rectangle is a parallelogram with 4 right angles.

So, this shape is a rectangle, because it has 4 right angles.

This shape is a quadrilateral.

b. A trapezoid 4 sides, only 1 pair of sides parallel.

So, this shape is a trapezoid because only 1 pair of sides is parallel.

This shape is a quadrilateral.

c. A parallelogram is a quadrilateral in which both pairs of opposite sides are parallel and congruent. Congruent sides are the same length.

So, this shape is a parallelogram, because both pairs of opposite sides are parallel and congruent.

This shape is a quadrilateral.

d. A squares has 4 sides equal at 4 right angles.

So, this shape is a square.

This shape is a quadrilateral.

