MATH

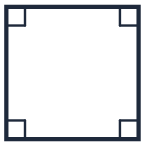
Quadrilaterals

Name _____ Date _____

I can sort quadrilaterals by their sides and angles.

1 The quadrilateral family

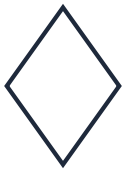
A quadrilateral is any flat shape with 4 straight sides and 4 vertices. Some have special names. A square has 4 equal sides and 4 right angles. A rectangle has 4 right angles. A rhombus has 4 equal sides. A parallelogram has 2 pairs of parallel sides, and a trapezoid has 1 pair.



Square
4 equal sides
4 right angles



Rectangle
4 right angles
opposite sides equal



Rhombus
4 equal sides
opposite sides parallel

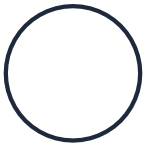


Parallelogram
2 pairs of
parallel sides



Trapezoid
1 pair of
parallel sides

2 Is it a quadrilateral? Circle yes or no.



yes no



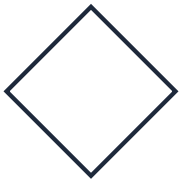
yes no



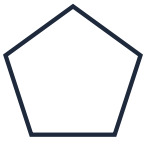
yes no



yes no



yes no



yes no

How did I do? ☆ ☆ ☆

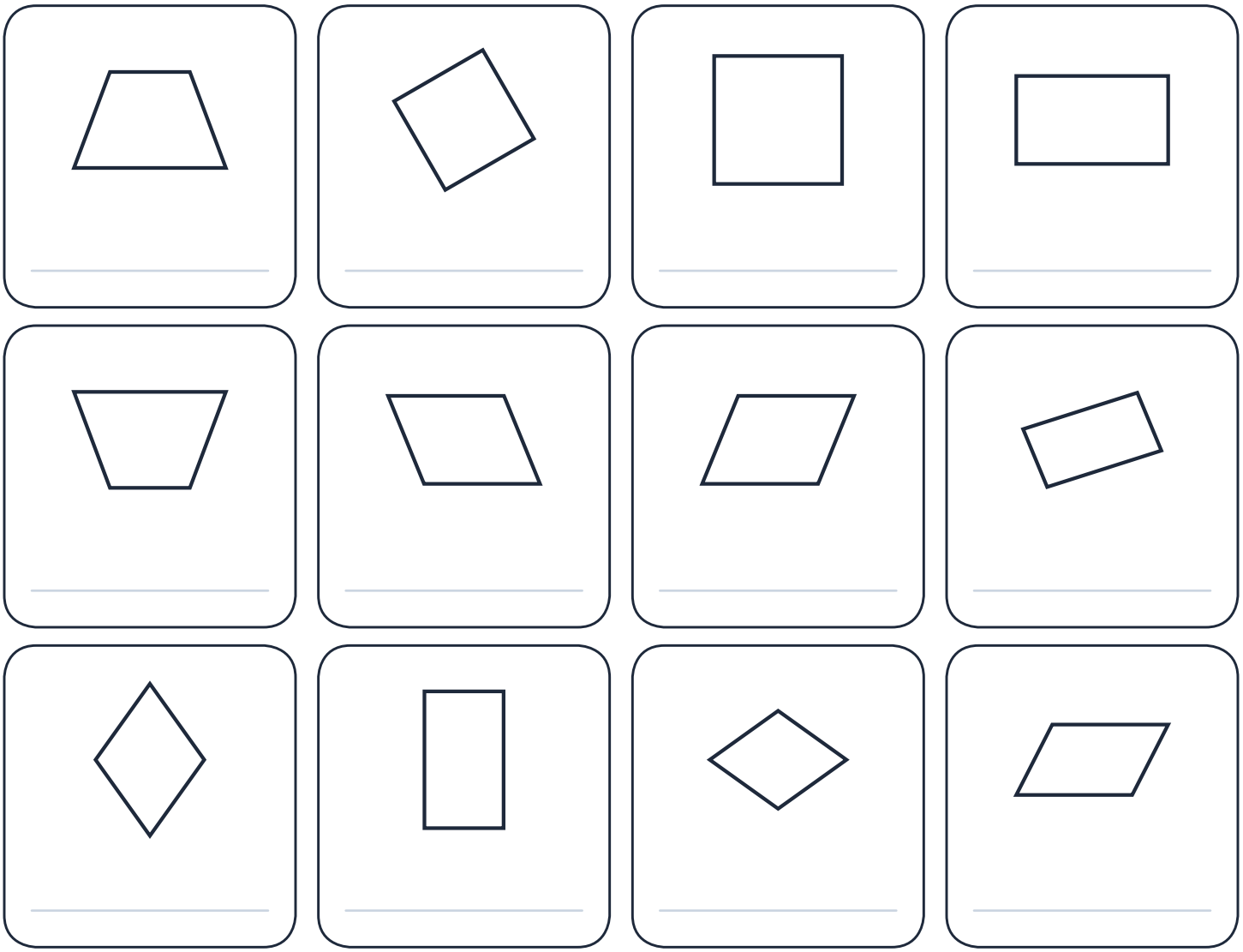
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Name the quadrilateral

Name _____ Date _____

I can name squares, rectangles, rhombuses, parallelograms and trapezoids.

Word bank: square | rectangle | rhombus | parallelogram | trapezoid



How did I do? ☆ ☆ ☆

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Check the properties

Name _____ Date _____

I can sort quadrilaterals by their sides and angles.

1 Tick every box that is true

	4 sides	4 right angles	4 equal sides	2 pairs of parallel sides
 Square	☐	☐	☐	☐
 Rectangle	☐	☐	☐	☐
 Rhombus	☐	☐	☐	☐
 Parallelogram	☐	☐	☐	☐
 Trapezoid	☐	☐	☐	☐

2 Draw it on the dots

Draw a quadrilateral with no right angles.

Draw a quadrilateral that is not a square, rectangle or rhombus.

How did I do? ☆ ☆ ☆

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Word problems

Name _____ Date _____

I can use what I know about shapes to solve problems.

1 Read, think, answer

Draw the shapes to help you.

1 Hana drew a quadrilateral with 4 equal sides and 4 right angles. What is it?

Answer:

2 Each side of a rhombus is 3 cm long. What is the total length of all its sides?

Answer:

3 Adam says every square is also a rectangle. Is that true? Why?

Answer:

4 How many vertices do 4 quadrilaterals have in all?

Answer:

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: quadrilaterals

1 Page 1

Quadrilaterals: circle no, trapezoid yes, rhombus yes, triangle no, square yes, pentagon no.

2 Page 2

1) trapezoid, 2) square, 3) square, 4) rectangle, 5) trapezoid, 6) parallelogram, 7) parallelogram, 8) rectangle, 9) rhombus, 10) rectangle, 11) rhombus, 12) parallelogram.

3 Page 3

square: 4 sides, 4 right angles, 4 equal sides, 2 pairs of parallel sides; rectangle: 4 sides, 4 right angles, 2 pairs of parallel sides; rhombus: 4 sides, 4 equal sides, 2 pairs of parallel sides; parallelogram: 4 sides, 2 pairs of parallel sides; trapezoid: 4 sides.

Drawings will vary: a rhombus or parallelogram with no right angles; a parallelogram, trapezoid or any other 4-sided shape.

4 Page 4: word problems

1) a square

2) 12 cm (3 x 4)

3) Yes. A square has 4 right angles, and its opposite sides are equal, so it is a special rectangle.

4) 16 vertices (4 x 4)

5 Teaching tip

Use the corner of a sheet of paper as a right angle tester. Children hold it in each corner of a shape to check for right angles. Some books define a trapezoid as having at least one pair of parallel sides, so check what your school uses.

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