



**THIRD SPACE
LEARNING**

Rhombus Worksheet

Geometry

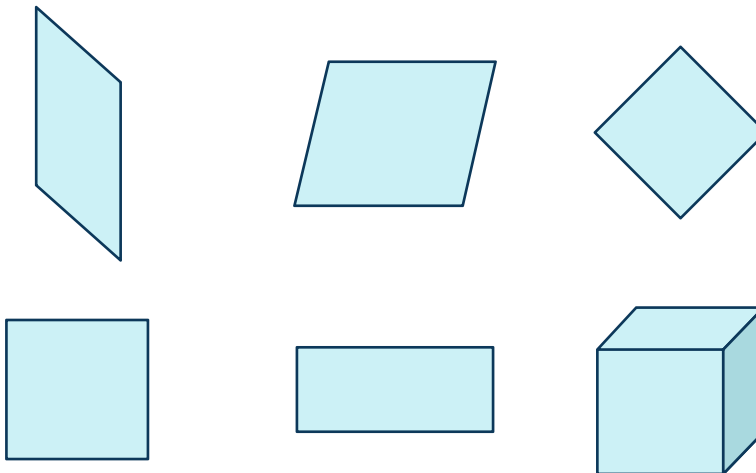
Grades 4 to 5

Skill Questions

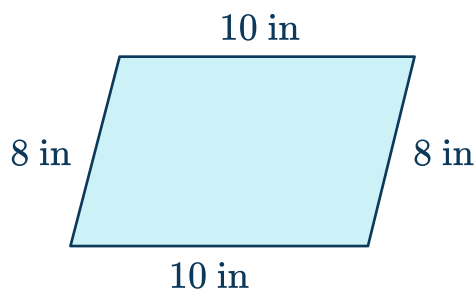
Name:

Date:

- 1 Circle the rhombuses.

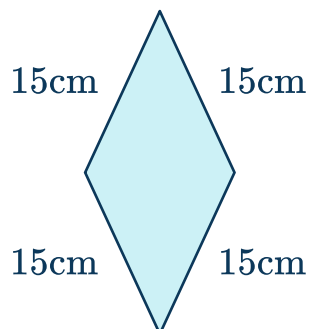


- 2 Is this shape a rhombus? Why or why not?



Answer

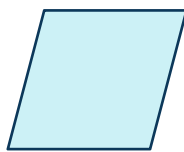
- 3 Is this shape a rhombus? Why or why not?



Answer

Rhombus Worksheet | Grades 4 to 5

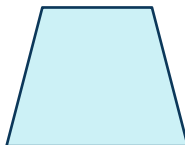
- 4 What attribute does a rhombus have in common with all 3 shapes shown below?



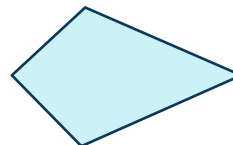
rhombus



square



trapezoid



kite

Answer

- 5 Which of the following words can go in the blank to make the sentence true?
rectangle, pentagon, quadrilateral, square, parallelogram, trapezoid

A rhombus is also a _____.

Answer

- 6 Which of the following words can go in the blank to make the sentence true?
rectangle, pentagon, quadrilateral, square, parallelogram, trapezoid

A _____ is also a rhombus

Answer

- 7 Is the following statement never true, sometimes true, or always true?

A rhombus has 4 right angles.

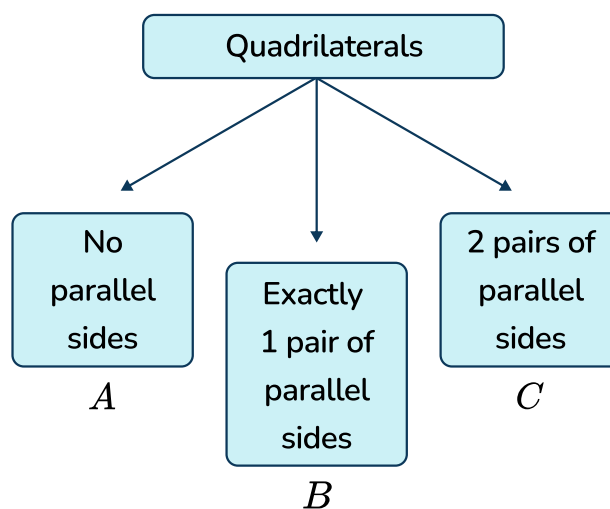
Answer

- 8 Is the following statement never true, sometimes true, or always true?

The opposite angles of a rhombus are equal.

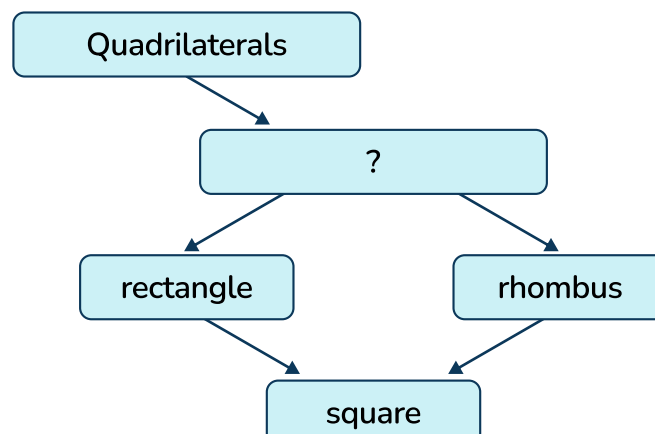
Answer

- 9 Which section of the diagram does a rhombus belong in?



Answer

- 10 What term correctly completes the diagram?



Answer

Applied Questions

11 True or false? Explain.

A square is always a rhombus but a rhombus is not always a square.

Answer



12 A road sign in the shape of a rhombus has a perimeter of 48 inches.
What is the length of each side?

Answer



13 Bella's teacher asked her to draw a quadrilateral that is also a parallelogram with 4 equal sides. Name and draw two shapes that Bella could draw.

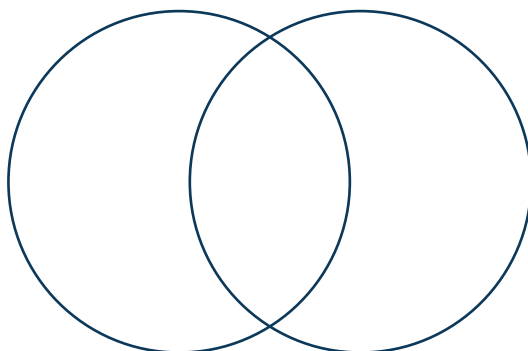
Answer



- 14 Write 'rhombus' in the correct section of the Venn diagram.
Explain why you placed it there.

Quadrilateral

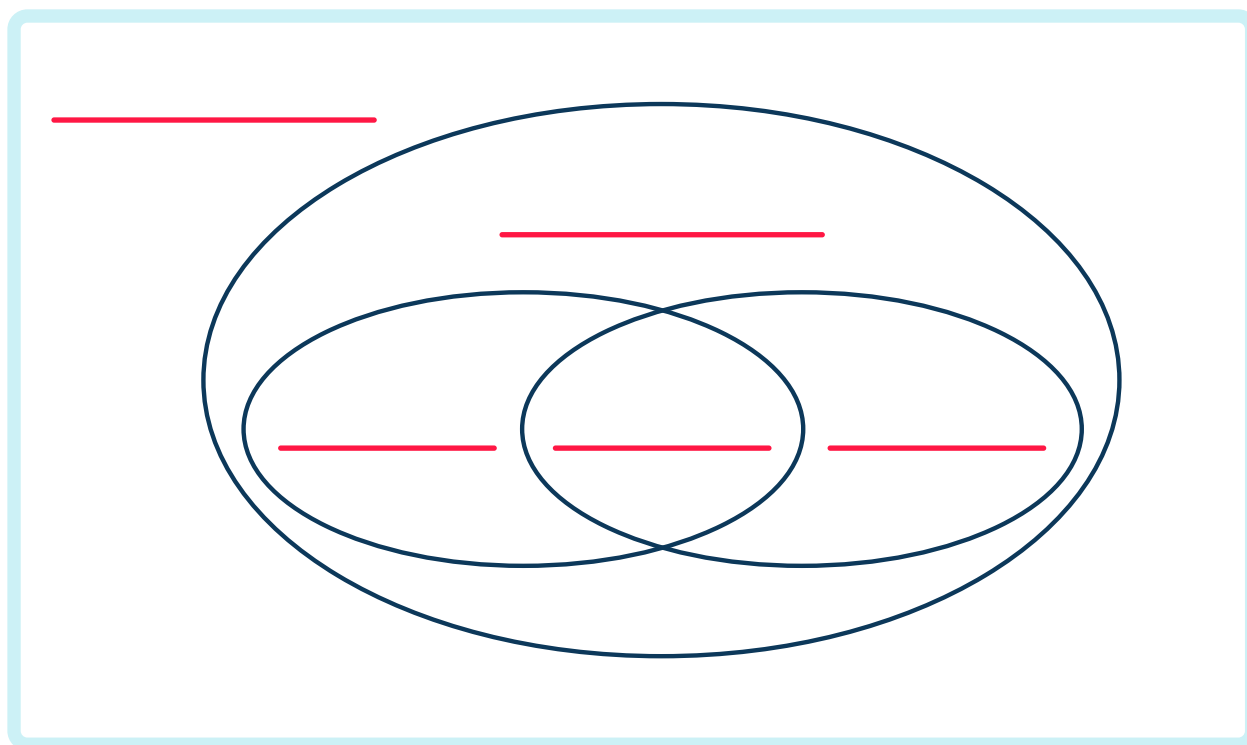
Parallelogram



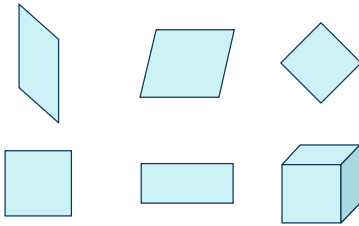
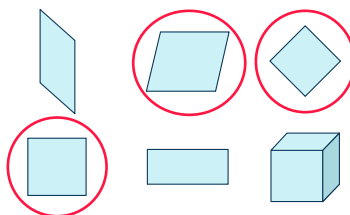
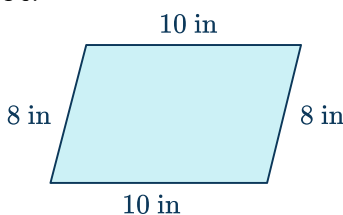
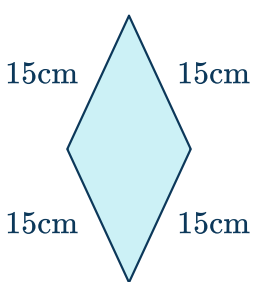
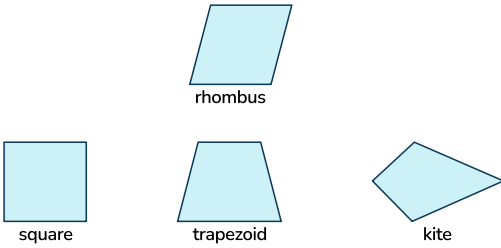
Answer

- 15 Complete the diagram to show the hierarchy of quadrilaterals by writing each the following terms on a line:

square, parallelogram, rectangle, rhombus, quadrilateral

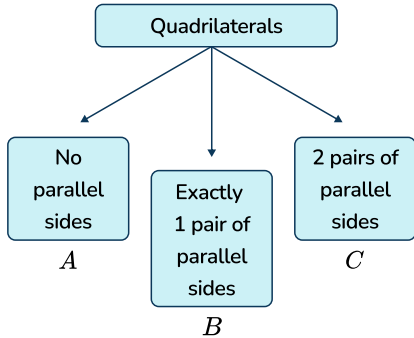
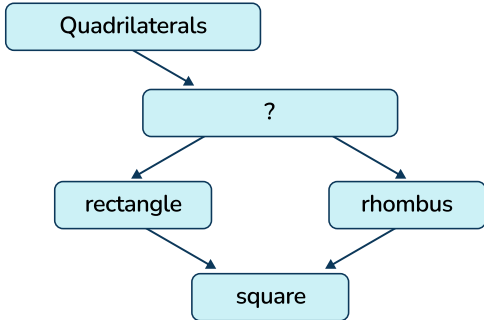


Answers


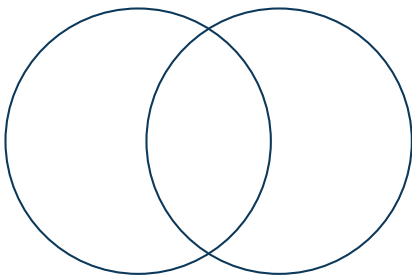
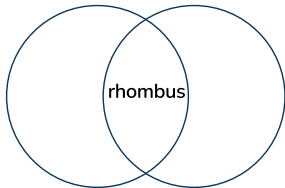
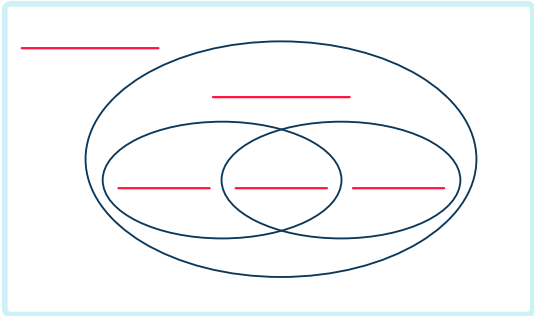
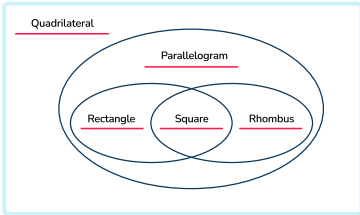
Question number	Question	Answers	Standard
1	Circle the rhombuses. 		5.G.B.3
2	Is this shape a rhombus? Why or why not? 	No, because the sides are not all the same length.	5.G.B.3
3	Is this shape a rhombus? Why or why not? 	Yes because it has all of the attributes of a rhombus (4 equal sides, 2 sets of parallel sides)	5.G.B.3
4	What attribute does a rhombus have in common with all 3 shapes shown below? 	They all have 4 sides. (or they are all quadrilaterals.)	5.G.B.3 5.G.B.4

Rhombus Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
5	<p>Which of the following words can go in the blank to make the sentence true?</p> <p>rectangle, pentagon, quadrilateral, square, parallelogram, trapezoid</p> <p>A rhombus is also a _____.</p>	<p>quadrilateral, parallelogram trapezoid</p>	<p>5.G.B.3 5.G.B.4</p>
6	<p>Which of the following words can go in the blank to make the sentence true?</p> <p>rectangle, pentagon, quadrilateral, square, parallelogram, trapezoid</p> <p>A _____ is also a rhombus.</p>	<p>square</p>	<p>5.G.B.3 5.G.B.4</p>
7	<p>Is the following statement never true, sometimes true, or always true?</p> <p>A rhombus has 4 right angles.</p>	<p>This statement is sometimes true. When a shape is a square, it classifies as a rhombus.</p>	<p>5.G.B.3</p>
8	<p>Is the following statement never true, sometimes true, or always true?</p> <p>The opposite angles of a rhombus are equal.</p>	<p>This statement is always true.</p>	<p>Standard included</p>

Question number	Question	Answers	Standard
9	<p>Which section of the diagram does a rhombus belong in?</p>  <pre> graph TD Q[Quadrilaterals] --> A[No parallel sides A] Q --> B[Exactly 1 pair of parallel sides B] Q --> C[2 pairs of parallel sides C] </pre>	Section C	5.G.B.3 5.G.B.4
10	<p>What term correctly completes the diagram?</p>  <pre> graph TD Q[Quadrilaterals] --> Q1[?] Q1 --> R[rectangle] Q1 --> Rh[rhombus] R --> S[square] Rh --> S </pre>	parallelogram	5.G.B.3 5.G.B.4
11	<p>True or false? Explain. A square is always a rhombus but a rhombus is not always a square.</p>	True. A square fits the definition of a rhombus (a quadrilateral with all sides of equal length), but not all rhombuses have the additional requirement of right angles that squares do.	5.G.B.3 5.G.B.4
12	<p>A road sign in the shape of a rhombus has a perimeter of 48 inches. If each side is of equal length, what is the length of each side?</p>	<p>Since we know that the side lengths of a rhombus are the same, we can divide 48 by 4.</p> $48 \div 4 = 12 \text{ inches}$	5.G.B.3

Rhombus Worksheet | Grades 4 to 5 | Answers




Question number	Question	Answers	Standard
13	Bella's teacher asked her to draw a quadrilateral that is also a parallelogram with 4 equal sides. Name and draw two shapes that Bella could draw.	Bella could draw a square or a rhombus. 	5.G.B.3 5.G.B.4
14	Write 'rhombus' in the correct section of the Venn diagram. Explain why you placed it there. Quadrilateral Parallelogram 	A rhombus is both a quadrilateral and a parallelogram so it would go in the middle section of the Venn diagram. Quadrilateral Parallelogram 	5.G.B.3 5.G.B.4
15	Complete the diagram to show the hierarchy of quadrilaterals by writing each the following terms on a line: <i>square, parallelogram, rectangle, rhombus, quadrilateral</i> 		5.G.B.3 5.G.B.4

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