



**THIRD SPACE  
LEARNING**

# Parallelograms Worksheet

**Geometry**

**Grades 4 to 5**

## Skill Questions

Name: .....

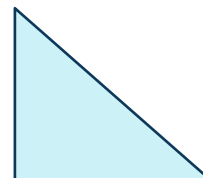
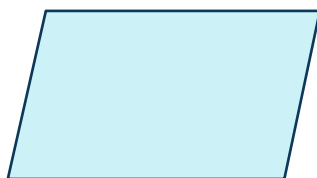
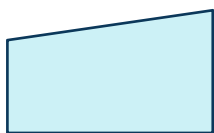
Date: .....

1 Fill in the blanks.

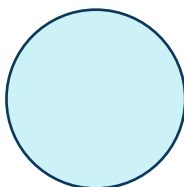
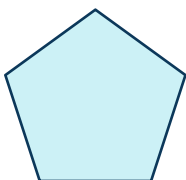
A parallelogram is a type of \_\_\_\_\_ with opposite sides that are \_\_\_\_\_ to each other.

Answer

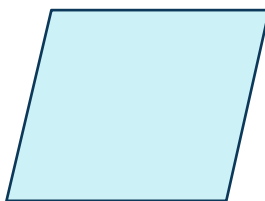
2 Circle the parallelogram.



3 Circle the parallelogram.

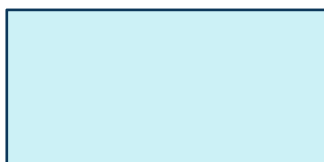


4 Name the parallelogram.



Answer

5 Name the parallelogram.



Answer

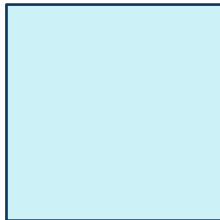
## Parallelograms Worksheet | Grades 4 to 5

6 Is this shape a parallelogram? Explain your thinking.



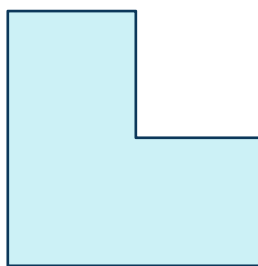
Answer

7 Is this shape a parallelogram? Explain your thinking.



Answer

8 Is this shape a parallelogram? Explain your thinking.



Answer

## Parallelograms Worksheet | Grades 4 to 5

- 9 Match the name of the parallelograms with the correct definition.

Square

A shape with 4 right angles and 2 pairs of parallel lines.

Rectangle

A shape with 4 congruent sides and perpendicular diagonals.

Rhombus

A shape with 4 right angles and 4 congruent sides.

Parallelogram

A 4 sided shape with opposite parallel sides.

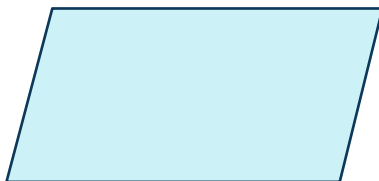
- 10 Patricia says the yellow shape in the flag of Brazil is a parallelogram. Is she correct in her thinking?



Answer

## Applied Questions

- 11** TJ drew the shape below and labeled it as a parallelogram. Drew disagreed and said it should be labeled as a rectangle. Who is correct?



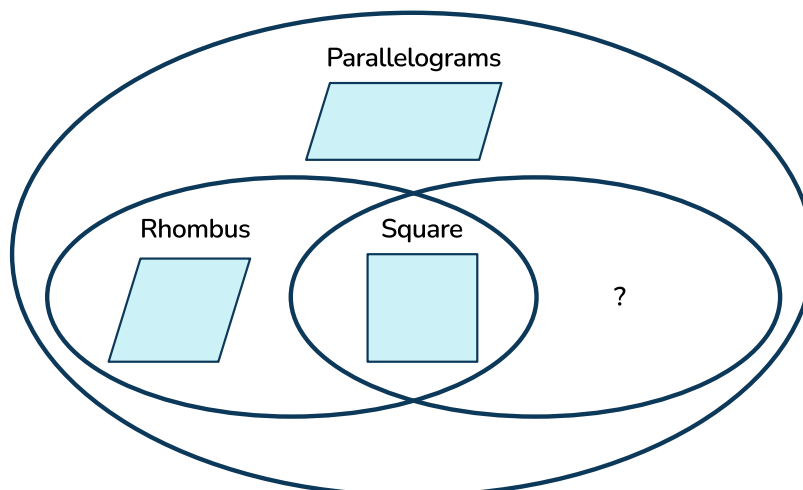
Answer

- 12** The special parallelogram can be classified in two ways. What are those two ways?



Answer

- 13** Which parallelogram is missing from the venn diagram?



Answer

## Parallelograms Worksheet | Grades 4 to 5

- 14** Kendrick says a rhombus and a square are the same. Explain why Kendrick is not correct in his thinking.

*Answer*

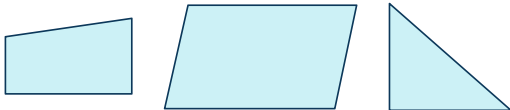
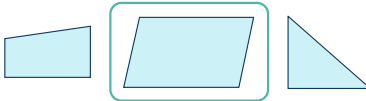
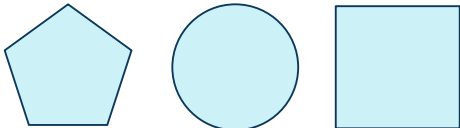
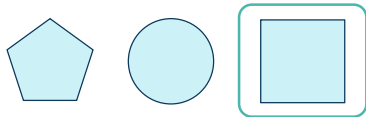

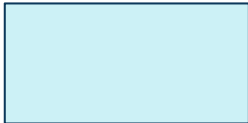
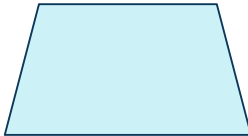
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- 15** Mrs. Thompson wants her students to determine if a given quadrilateral is a parallelogram or not. She tells them that all opposite sides are equal in length. Is that enough information to determine where the shape is a parallelogram or not?

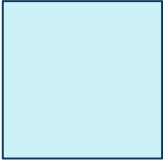
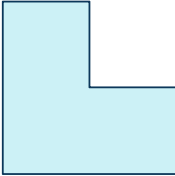
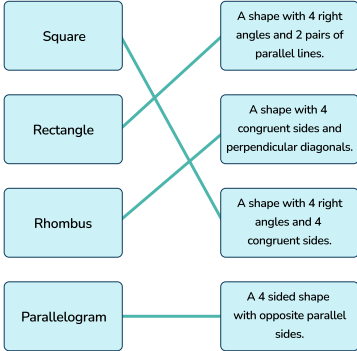

*Answer*

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# Answers


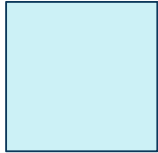
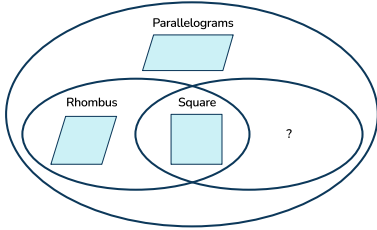
Question number	Question	Answers	Standard
1	<p>Fill in the blanks.</p> <p>A parallelogram is a type of _____ with opposite sides that are _____ to each other.</p>	Quadrilateral; parallel	5.G.B.4
2	<p>Circle the parallelogram.</p> 		5.G.B.4
3	<p>Circle the parallelogram.</p> 		5.G.B.4
4	<p>Name the parallelogram.</p> 	Rhombus	5.G.B.4
5	<p>Name the parallelogram.</p> 	Rectangle	5.G.B.4
6	<p>Is this shape a parallelogram? Explain your thinking.</p> 	No, this shape is not a parallelogram. It is a 4 sided shape, but only one pair of opposite sides are parallel.	5.G.B.4

## Parallelograms Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
7	<p>Is this shape a parallelogram? Explain your thinking.</p> 	<p>Yes, this shape is a parallelogram because it has 4 sides and has two pairs of parallel lines.</p>	5.G.B.4
8	<p>Is this shape a parallelogram? Explain your thinking.</p> 	<p>No, this shape is not a parallelogram. It is a 6 sided shape, even though it does have two pairs of parallel lines.</p>	5.G.B.4
9	<p>Match the name of the parallelograms with the correct definition.</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <div>Square</div> <div>Rectangle</div> <div>Rhombus</div> <div>Parallelogram</div> </div> <div style="width: 50%;"> <div>A shape with 4 right angles and 2 pairs of parallel lines.</div> <div>A shape with 4 congruent sides and perpendicular diagonals.</div> <div>A shape with 4 right angles and 4 congruent sides.</div> <div>A 4 sided shape with opposite parallel sides.</div> </div> </div>		5.G.B.4
10	<p>Patricia says the yellow shape in the flag of Brazil is a parallelogram. Is she correct in her thinking?</p> 	<p>Yes, the yellow shape appears to be a rhombus, which is a parallelogram.</p>	5.G.B.4



## Parallelograms Worksheet | Grades 4 to 5 | Answers




Question number	Question	Answers	Standard
11	<p>TJ drew the shape below and labeled it as a parallelogram. Drew disagreed and said it should be labeled as a rectangle. Who is correct?</p> 	TJ is correct. This shape is not a rectangle because it does not have 4 right angles.	5.B.G.3
12	<p>The special parallelogram can be classified in two ways. What are those two ways?</p> 	The parallelogram is both a rectangle and a square because it meets the definition of both.	5.B.G.3
13	<p>Which parallelogram is missing from the venn diagram?</p> 	A rectangle	5.B.G.3
14	<p>Kendrick says a rhombus and a square are the same. Explain why Kendrick is not correct in his thinking.</p>	Kendrick is not correct because a square has 4 right angles and a rhombus does not. Students may also mention the presence of perpendicular lines.	5.B.G.3
15	<p>Mrs. Thompson wants her students to determine if a given quadrilateral is a parallelogram or not. She tells them that all opposite sides are equal in length. Is that enough information to determine where the shape is a parallelogram or not?</p>	Yes, if the opposite sides are equal, it can be concluded that the opposite angles are also equal. Therefore, it can be determined that the quadrilateral that Mrs. Thompson is thinking of is also a parallelogram.	5.B.G.3

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