Unit: 5th – Geometry Lesson: Classify 2D Figures Problem Set 1 Note: Some parts of these materials are taken dire

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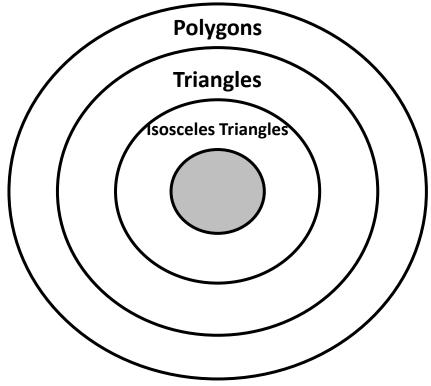
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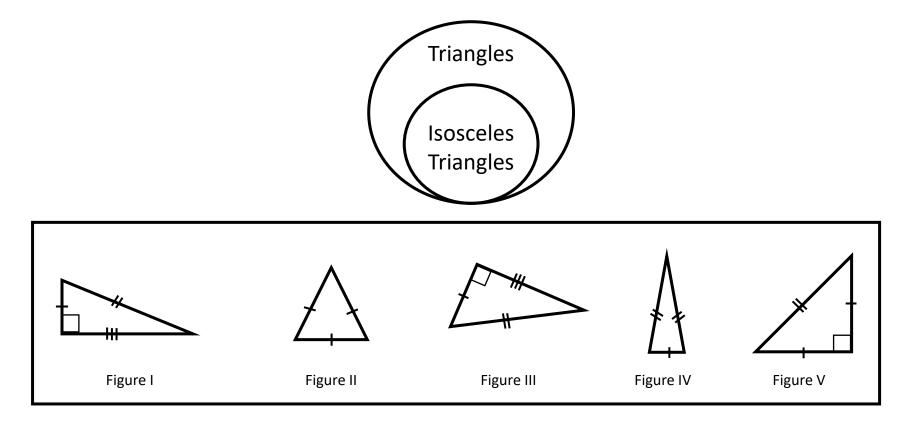
1. In the diagram shown, each circle represents a group of 2-dimensional figures. If a figure belongs in a circle, it also belongs in any larger circle.



Which kind of figures belong in the shaded circle?

- A. Right Triangles
- B. Scalene Triangles
- C. Equilateral Triangles
- D. Obtuse Triangles
- 5.5.A Classify 2D Figures PS

2. A student used this graphic organizer to classify different figures.



Which figures belong in the part of the organizer labeled "Isosceles Triangles"?

- A. Figures II and V only
- B. Figures I, III, and V only
- C. Figures I and III only
- D. Figures II, IV and V only
- 5.5.A Classify 2D Figures PS

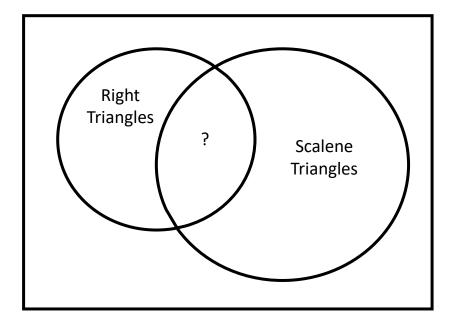
3. Ronette classified shapes based on the types of angles they had. The table shows her classifications.

Right Angles Only	Acute Angles Only	Obtuse Angles Only	Both Acute and Obtuse Angles
Shape 1	Shape 3	Shape 5	Shape 7
Shape 2	Shape 4	Shape 6	Shape 8

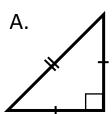
Which shape was NOT classified correctly?

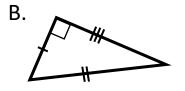
- A. Shape 1
- B. Shape 3
- C. Shape 5
- D. Shape 7
- 5.5.A Classify 2D Figures PS

4. This Venn diagram shows the relationship between some types of triangles.

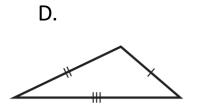


Which triangle belongs in the intersection of "Acute triangles" and "Isosceles triangles"?

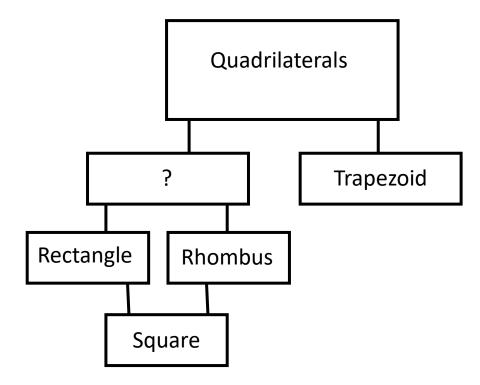








5. Akshar is making a mobile that lists quadrilaterals.



What is the name of the subset of quadrilaterals missing from Akshar's mobile?

- A. Hexagon
- B. Polygon
- C. Parallelogram
- D. Triangle

5.5.A – Classify 2D Figures - PS

6. In which table are the check marks placed in all the correct boxes?

A. Quadrilateral Parallelogram Rectangle

Quadrilateral Parallelogram Rectangle

Quadrilateral Parallelogram Rectangle

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Unit: 5th – Geometry Lesson: Classify 2D Figures Problem Set 2 Note: Some parts of these materials are taken dire

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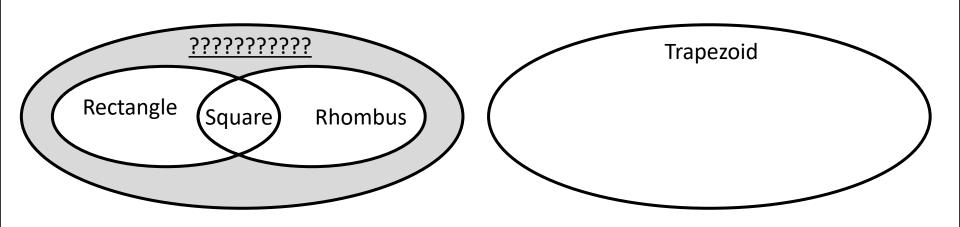
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7. Quadrilaterals can be classified using the graphic organizer shown.



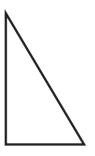
Which term best classified the shapes that belong in the shaded section of the organizer?

- A. Parallelogram
- B. Polygon
- C. Pentagon
- D. None of these

8. This graphic organizer is being used to classify triangles based on their angle measures or side lengths.

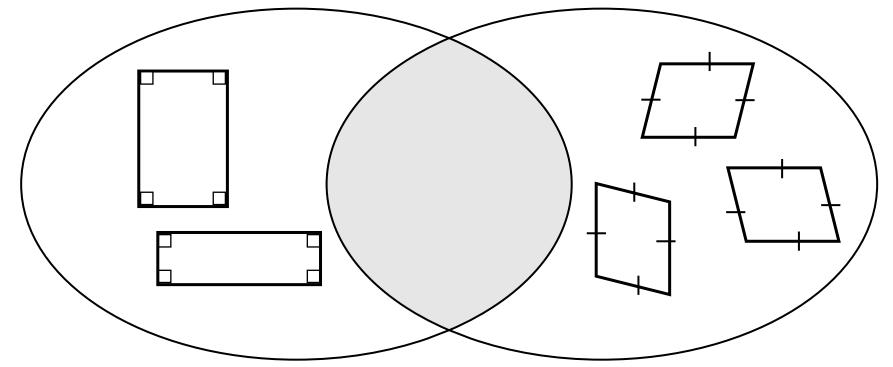
Angle Measure Classification			Side L	cation	
Acute	Right	Obtuse	Isosceles	Equilateral	Scalene

Which list shows all the ways this triangle could be classified?



- A. Right only
- B. Right and Scalene
- C. Right, Obtuse and Scalene only
- D. Acute, isosceles, and equilateral

9. This Venn diagram is being used to classify two types of quadrilaterals.



Which type of figure will always belong in the shaded section of this Venn diagram?

- A. Rectangle
- B. Rhombus
- C. Trapezoid
- D. Square

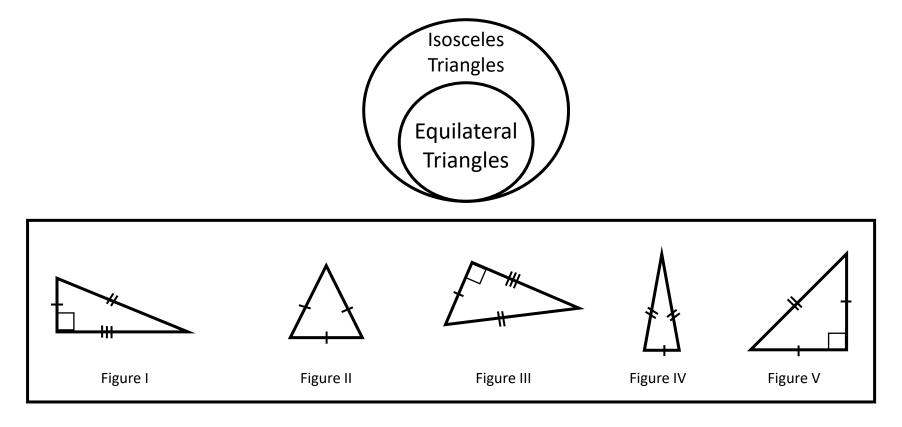
10. Ronald classified shapes based on the types of angles they had. The table shows his classifications.

Right Angles Only Acute Angles Only		Obtuse Angles Only	Both Acute and Obtuse Angles
Shape 1	Shape 3	Shape 5	Shape 7
Shape 2	Shape 4	Shape 6	Shape 8

Which shape was NOT classified correctly?

- A. Shape 4
- B. Shape 5
- C. Shape 6
- D. Shape 8

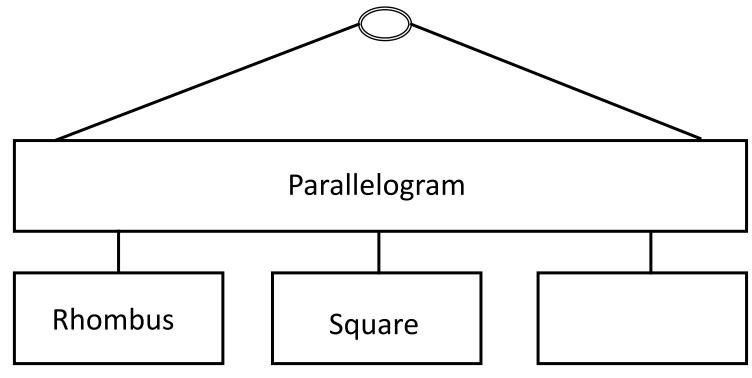
11. A student used this graphic organizer to classify different figures.



Which figures belong in the part of the organizer labeled "Isosceles Triangles"?

- A. Figure II only
- B. Figures I, III, and V only
- C. Figures I and III only
- D. Figures II, IV and V only
- 5.5.A Classify 2D Figures PS

12. Nellie built the hanging mobile shown in the picture to show some relationships among shapes.



Which shape goes in the empty box to complete Nellie's mobile?

- A. Trapezoid
- B. Rectangle
- C. Quadrilateral
- D. Triangle

Unit: 5th – Geometry Lesson: Classify 2D Figures Problem Set 3 Note: Some parts of these materials are taken dire

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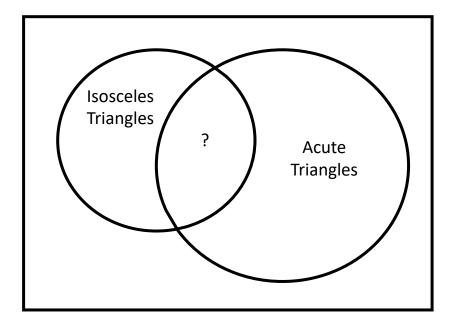
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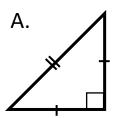
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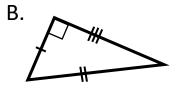
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13. This Venn diagram shows the relationship between some types of triangles.

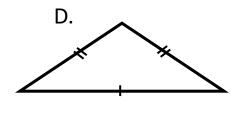


Which triangle belongs in the intersection of "Acute triangles" and "Isosceles triangles"?

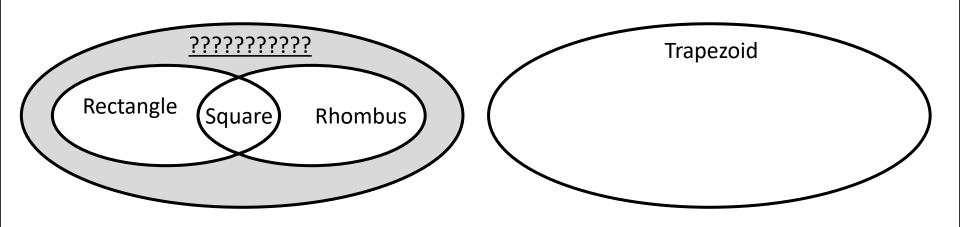








14. Quadrilaterals can be classified using the graphic organizer shown.



Which term best classified the shapes that belong in the shaded section of the organizer?

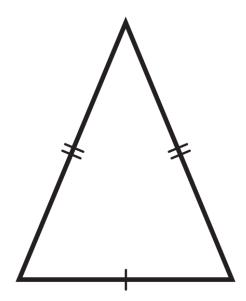
- A. Polygon
- B. Parallelogram
- C. Pentagon
- D. None of these

15. This graphic organizer is being used to classify triangles based on their angle measures or side lengths.

Angle Measure Classification		Side Length Classification			
Acute	Right	Obtuse	Isosceles	Equilateral	Scalene

Which list shows all the ways this triangle could be classified?

- A. Acute only
- B. Equilateral only
- C. Acute and isosceles only
- D. Acute, isosceles, and equilateral



16. In which table are the check marks placed in all the correct boxes?

B.

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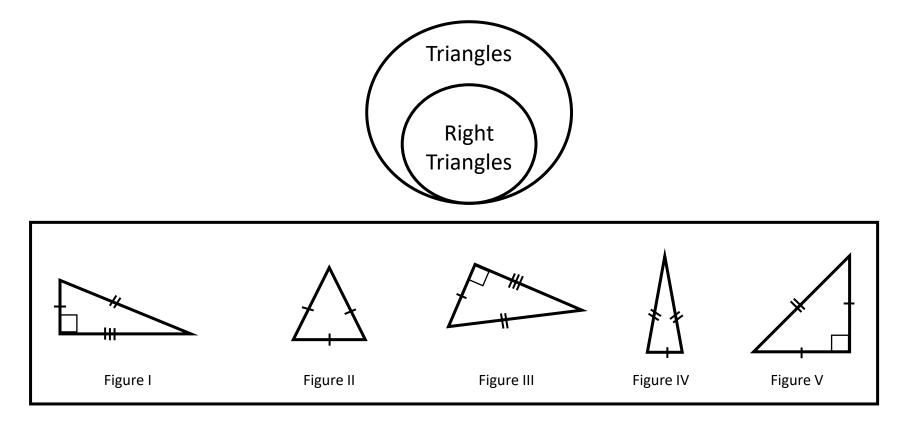
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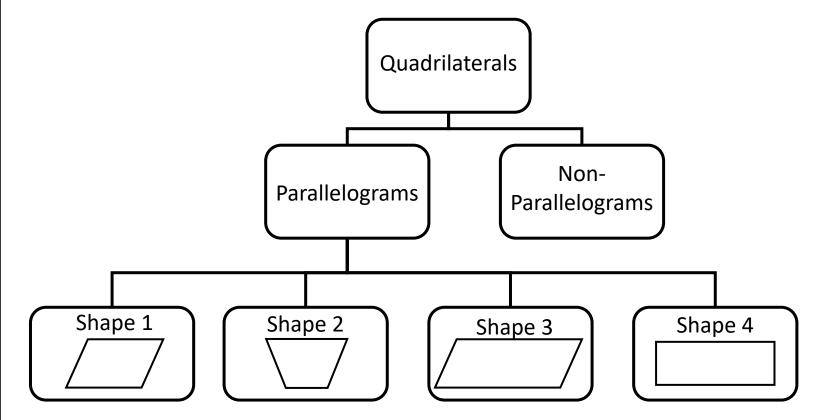
17. A student used this graphic organizer to classify different figures.



Which figures belong in the part of the organizer labeled "Isosceles Triangles"?

- A. Figures II and V only
- B. Figures I, III, and V only
- C. Figures I and III only
- D. Figures II, IV and V only
- 5.5.A Classify 2D Figures PS

18. In which table are the check marks placed in all the correct boxes?



Which shapes appear to be classified correctly?

- A. Shapes 1 and 3 only
- B. Shapes 2 and 4
- C. Shapes 1,2, and 3
- D. Shapes 1,3, and 4
- 5.5.A Classify 2D Figures PS

Unit: 5th – Geometry **Lesson: Classify 2D Figures** Problem Set 4

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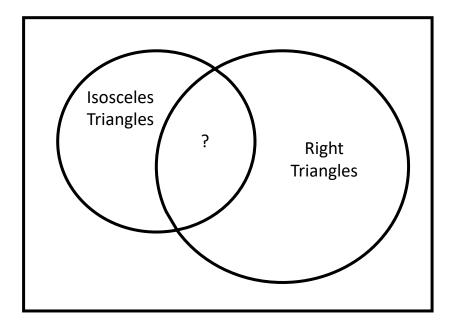
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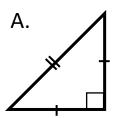
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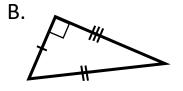
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19. This Venn diagram shows the relationship between some types of triangles.

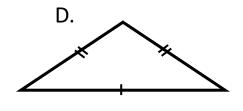


Which triangle belongs in the intersection of "Acute triangles" and "Isosceles triangles"?

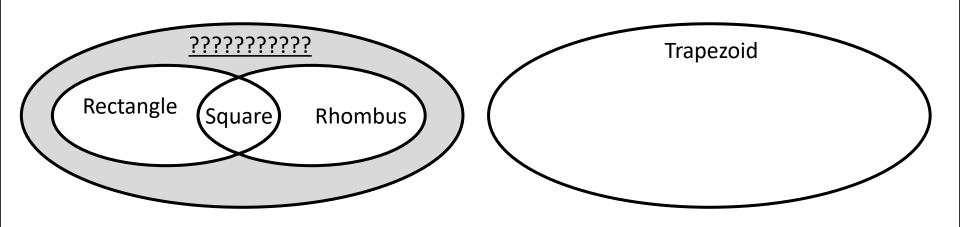








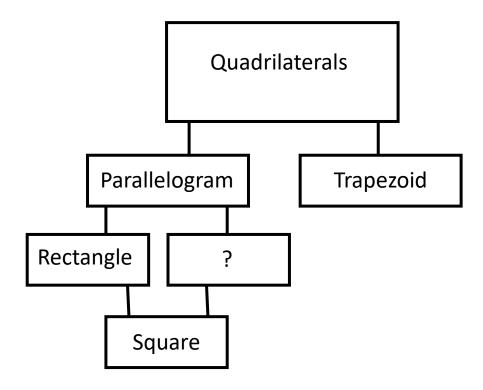
20. Quadrilaterals can be classified using the graphic organizer shown.



Which term best classified the shapes that belong in the shaded section of the organizer?

- A. Pentagon
- B. Polygon
- C. Parallelogram
- D. None of these

21. Arnold is making a mobile that lists quadrilaterals.

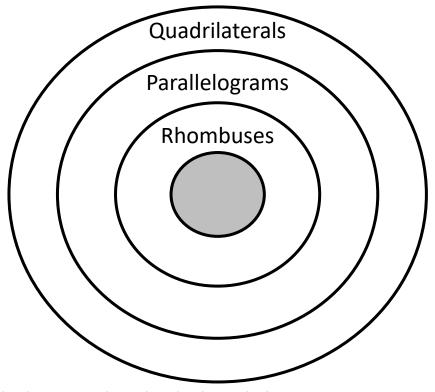


What is the name of the subset of quadrilaterals missing from Arnold's mobile?

- A. Rhombus
- B. Polygon
- C. Pentagon
- D. Triangle

5.5.A – Classify 2D Figures - PS

22. In the diagram shown, each circle represents a group of polygons. If a polygon belongs in a circle, it also belongs in any larger circle.

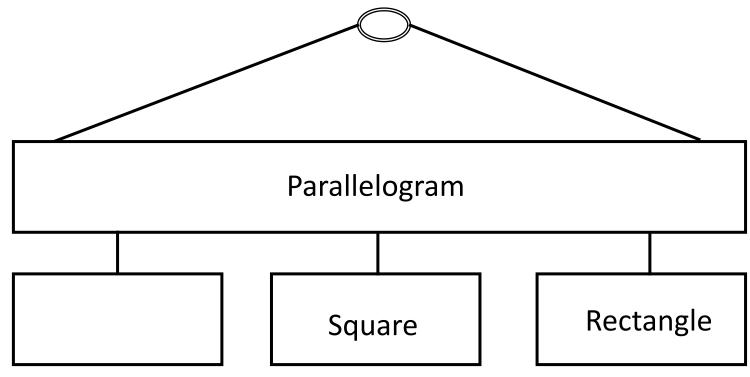


Which kind of polygons belong in the shaded circle?

- A. Squares
- B. Rectangles
- C. Trapezoids
- D. All of these

5.5.A – Classify 2D Figures - PS

23. Nathan built the hanging mobile shown in the picture to show some relationships among shapes.



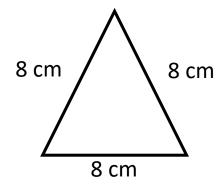
Which shape goes in the empty box to complete Nathan's mobile?

- A. Trapezoid
- B. Quadrilateral
- C. Rhombus
- D. Triangle
- 5.5.A Classify 2D Figures PS

24. This graphic organizer is being used to classify triangles based on their angle measures or side lengths.

Angle Measure Classification		Side Length Classification			
Acute	Right	Obtuse	Isosceles	Equilateral	Scalene

Which list shows all the ways this triangle could be classified?



- A. Acute only
- B. Equilateral only
- C. Acute and isosceles only
- D. Acute, isosceles, and equilateral

Unit: 5th – Geometry Lesson: Classify 2D Figures Problem Set 5 Note: Some parts of these materials are taken directly from released STAAR tests Copyright © 2015-2021. Texas Education Agency. All Rights Reserved. Used by Permission

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5.5.A – Classify 2D Figures - PS

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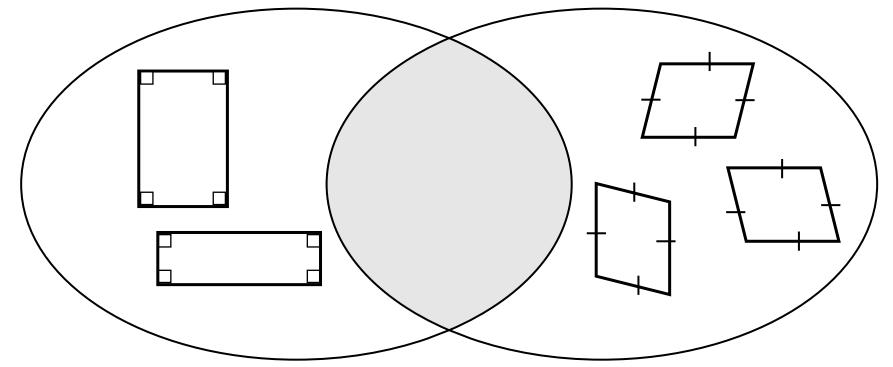
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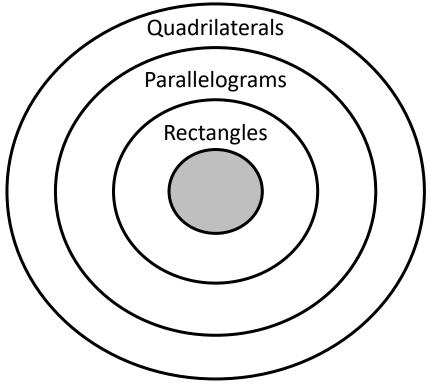
25. This Venn diagram is being used to classify two types of quadrilaterals.



Which type of figure will always belong in the shaded section of this Venn diagram?

- A. Rectangle
- B. Rhombus
- C. Square
- D. Trapezoid

26. In the diagram shown, each circle represents a group of polygons. If a polygon belongs in a circle, it also belongs in any larger circle.



Which kind of polygons belong in the shaded circle?

- A. Trapezoids
- B. Squares
- C. Pentagons
- D. Rhombuses

5.5.A – Classify 2D Figures - PS

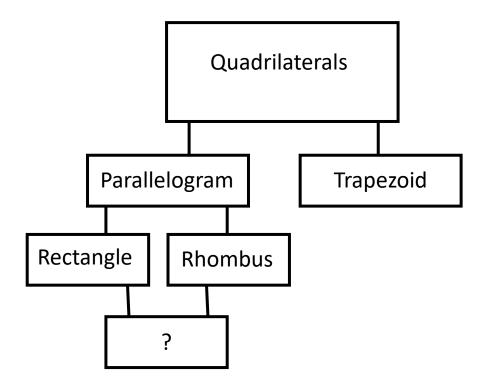
27. Rachel classified shapes based on the types of angles they had. The table shows her classifications.

Right Angles Only	Acute Angles Only	Obtuse Angles Only	Both Acute and Obtuse Angles	
Shape 1	Shape 3	Shape 5	Shape 7	
Shape 2	Shape 4	Shape 6	Shape 8	

Which shape was NOT classified correctly?

- A. Shape 4
- B. Shape 5
- C. Shape 7
- D. Shape 8
- 5.5.A Classify 2D Figures PS

28. Alice is making a mobile that lists quadrilaterals.

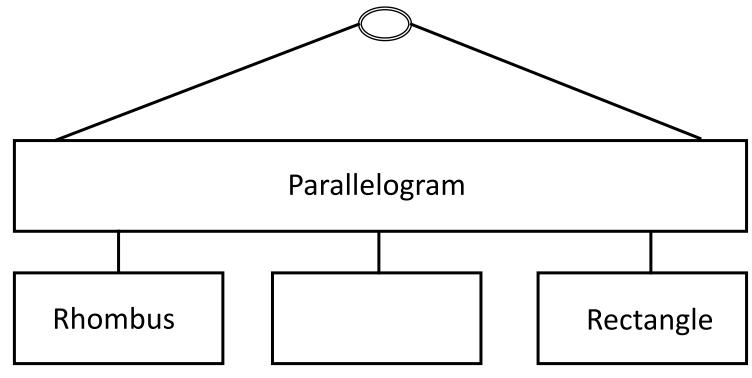


What is the name of the subset of quadrilaterals missing from Alice's mobile?

- A. Hexagon
- B. Square
- C. Polygon
- D. Triangle

5.5.A – Classify 2D Figures - PS

29. Natalie built the hanging mobile shown in the picture to show some relationships among shapes.



Which shape goes in the empty box to complete Natalie's mobile?

- A. Square
- B. Quadrilateral
- C. Trapezoid
- D. Triangle

30. In which table are the check marks placed in all the correct boxes?

 B. Quadrilateral Parallelogram Polygon

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