



Name: _____

Date: _____

1. Three angles of a quadrilateral are 77° , 68° , and 77° . What is the fourth angle? ____°

2. A rhombus has all sides equal to 15 cm. What is its perimeter?

62 cm

60 cm

30 cm

225 cm

3. True or false: Every parallelogram is a rectangle.

4. A quadrilateral has 4 right angles but sides not all equal. What is its MOST specific name?

rectangle

square

rhombus

trapezoid

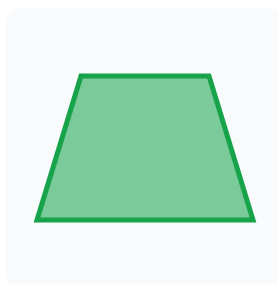
5. True or false: A rhombus has 4 equal sides.

6. True or false: A trapezoid always has 2 pairs of parallel sides.



7. True or false: Every square is a rhombus.

8. What is the MOST specific name for this shape?



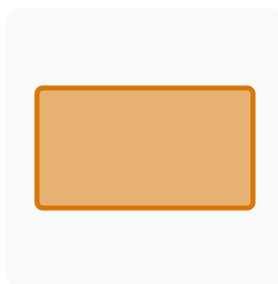
rectangle

rhombus

parallelogram

trapezoid

9. What is the name of this quadrilateral?



rectangle

rhombus

trapezoid

square

10. Three angles of a quadrilateral are 78° , 105° , and 92° . What is the fourth angle? $\underline{\hspace{1cm}}^\circ$



11. A rhombus has all sides equal to 13 cm. What is its perimeter?

169 cm

52 cm

54 cm

26 cm

12. Three angles of a quadrilateral are 108° , 101° , and 93° . What is the fourth angle? ____°

13. A rhombus has all sides equal to 14 cm. What is its perimeter?

58 cm

28 cm

196 cm

56 cm

14. Three angles of a quadrilateral are 61° , 84° , and 102° . What is the fourth angle? ____°

15. A rhombus has all sides equal to 8 cm. What is its perimeter?

64 cm

32 cm

34 cm

16 cm

16. Three angles of a quadrilateral are 95° , 86° , and 101° . What is the fourth angle? ____°



17. A rhombus has all sides equal to 10 cm. What is its perimeter?

40 cm

20 cm

42 cm

100 cm

18. Three angles of a quadrilateral are 80° , 107° , and 83° . What is the fourth angle? ____°



Answer Key

1. **138** Angles of a quadrilateral sum to 360° . $360 - (77 + 68 + 77) = 138^\circ$.
2. **60 cm** All 4 sides are 15: perimeter = $4 \times 15 = 60$ cm.
3. **False** "Every parallelogram is a rectangle" is false.
4. **rectangle** With 4 right angles but sides not all equal, the most specific name is rectangle.
5. **True** "A rhombus has 4 equal sides" is true.
6. **False** "A trapezoid always has 2 pairs of parallel sides" is false.
7. **True** "Every square is a rhombus" is true.
8. **trapezoid** Judging by its sides and angles, the most specific name is trapezoid.
9. **rectangle** This shape is a rectangle.
10. **85** Angles of a quadrilateral sum to 360° . $360 - (78 + 105 + 92) = 85^\circ$.
11. **52 cm** All 4 sides are 13: perimeter = $4 \times 13 = 52$ cm.
12. **58** Angles of a quadrilateral sum to 360° . $360 - (108 + 101 + 93) = 58^\circ$.
13. **56 cm** All 4 sides are 14: perimeter = $4 \times 14 = 56$ cm.
14. **113** Angles of a quadrilateral sum to 360° . $360 - (61 + 84 + 102) = 113^\circ$.
15. **32 cm** All 4 sides are 8: perimeter = $4 \times 8 = 32$ cm.
16. **78** Angles of a quadrilateral sum to 360° . $360 - (95 + 86 + 101) = 78^\circ$.
17. **40 cm** All 4 sides are 10: perimeter = $4 \times 10 = 40$ cm.
18. **90** Angles of a quadrilateral sum to 360° . $360 - (80 + 107 + 83) = 90^\circ$.