MISSING ANGLES IN QUADRILATERALS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1. A quadrilateral has angles 80°, 90°, and 100°. Find the missing angle.

2. A quadrilateral has angles 70°, 85°, and 95°. Find the missing angle.

3. A quadrilateral has angles 60°, 75°, and 105°. Find the missing angle.

4. A quadrilateral has angles 50°, 65°, and 115°. Find the missing angle.

5. A quadrilateral has angles 40°, 55°, and 125°. Find the missing angle.

6. A quadrilateral has angles 30°, 45°, and 135°. Find the missing angle.

7. A quadrilateral has angles 20°, 35°, and 145°. Find the missing angle.

8. A quadrilateral has angles 10°, 25°, and 155°. Find the missing angle.

9. A quadrilateral has angles 5°, 15°, and 165°. Find the missing angle.

10. A quadrilateral has angles 1°, 10°, and 170°. Find the missing angle.

11. A quadrilateral has angles 45°, 90°, and 90°. Find the missing angle.

12. A quadrilateral has angles 60°, 60°, and 120°. Find the missing angle.

13. A quadrilateral has angles 75°, 75°, and 105°. Find the missing angle.

14. A quadrilateral has angles 90°, 90°, and 90°. Find the missing angle.

15. A quadrilateral has angles 100°, 100°, and 80°. Find the missing angle.

16. A quadrilateral has angles 110°, 110°, and 70°. Find the missing angle.

17. A quadrilateral has angles 120°, 120°, and 60°. Find the missing angle.

18. A quadrilateral has angles 130°, 130°, and 50°. Find the missing angle.

19. A quadrilateral has angles 140°, 140°, and 40°. Find the missing angle.

20. A quadrilateral has angles 150°, 150°, and 30°. Find the missing angle.

21. A quadrilateral has angles 160°, 160°, and 20°. Find the missing angle.

22. A quadrilateral has angles 170°, 170°, and 10°. Find the missing angle.

23. A quadrilateral has angles 180°, 180°, and 0°. Find the missing angle.

24. A quadrilateral has angles 25°, 50°, and 125°. Find the missing angle.

25. A quadrilateral has angles 35°, 70°, and 115°. Find the missing angle.

26. A quadrilateral has angles 45°, 90°, and 105°. Find the missing angle.

27. A quadrilateral has angles 55°, 110°, and 95°. Find the missing angle.

28. A quadrilateral has angles 65°, 130°, and 85°. Find the missing angle.

29. A quadrilateral has angles 75°, 150°, and 75°. Find the missing angle.

30. A quadrilateral has angles 85°, 170°, and 65°. Find the missing angle.

MASTER QUESTIONS

M1. A kite has two angles of 50° and 100°. Find the other two angles if they are equal.

M2. A trapezium has angles of 70°, 110°, and 80°. Find the missing angle.

M3. A parallelogram has two angles of 75°. Find the other two angles.

M4. A rhombus has one angle of 60°. Find the other three angles.

M5. A quadrilateral has angles in the ratio 1:2:3. The fourth angle is 120°. Find the other three angles.

M6. A quadrilateral has angles in the ratio 2:3:4. The fourth angle is 90°. Find the other three angles.

M7. A quadrilateral has angles in the ratio 3:4:5. The fourth angle is 60°. Find the other three angles.

M8. A quadrilateral has angles in the ratio 4:5:6. The fourth angle is 30°. Find the other three angles.

M9. A quadrilateral has angles in the ratio 5:6:7. The fourth angle is 0°. Find the other three angles.

M10. A quadrilateral has angles in the ratio 6:7:8. The fourth angle is 270°. Find the other three angles.