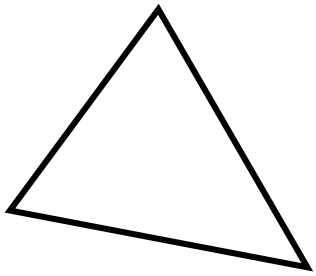
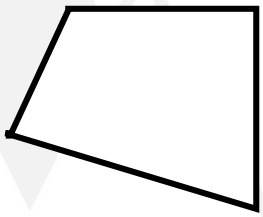
58. How to calculate missing angles inside shapes made of triangles and quadrilaterals

Practice Questions:

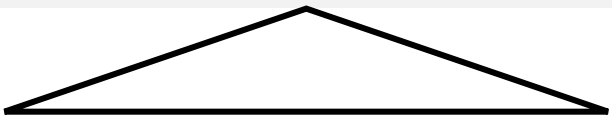
1. In a triangle, if one angle measures 60° and another angle measures 40°, what is the measure of the missing angle?



2. In a quadrilateral, if three angles measure 70°, 90°, and 100°, what is the measure of the missing angle?



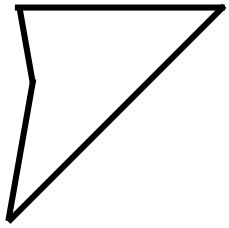
3. If two angles in a triangle measure 30° and 80°, what is the measure of the missing angle?



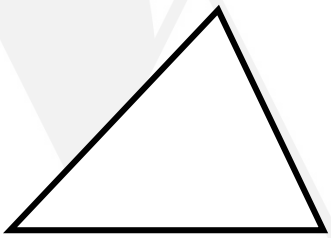
58. How to calculate missing angles inside shapes made of triangles and quadrilaterals

Practice Questions:

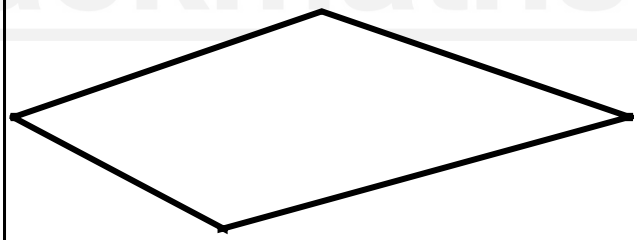
4. In a quadrilateral, if three angles measure 45°, 45° and 80°. What is the measure of the missing angle?



5. In a triangle, if two angles measure 60 degrees and 70 degrees, what is the measure of the missing angle?



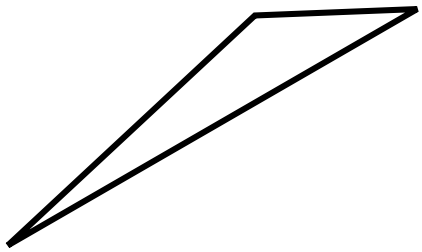
6. In a quadrilateral, if one angle is 120° and the adjacent angles are 50° and 70°, what is the size of the missing angle?



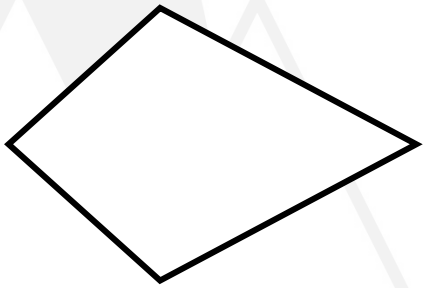
58. How to calculate missing angles inside shapes made of triangles and quadrilaterals

Practice Questions:

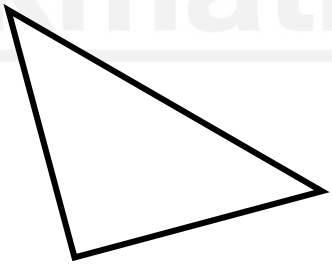
7. In a triangle, if one angle is 130° and another angle is 20°, what is the measure of the missing angle?



8. In a quadrilateral, if two angles are 60° and 80°, and the remaining angles are equal, what is their size?



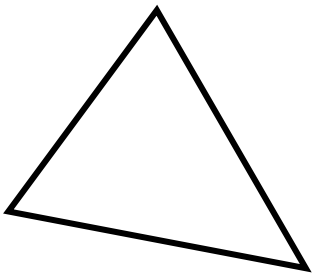
9. In a triangle, if two angles measure 45 degrees, what is the measure of the missing angle?



58. How to calculate missing angles inside shapes made of triangles and quadrilaterals

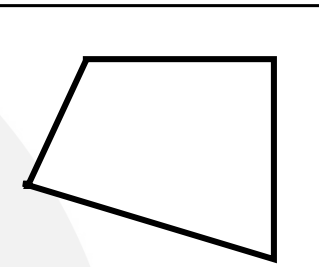
Practice Questions: Answers

1. In a triangle, if one angle measures 60 degrees and another angle measures 40 degrees, what is the measure of the missing angle?



1. Missing angle = 180° - 60° - 40° = 80°.

2. In a quadrilateral, if three angles measure 70 degrees, 90 degrees, and 100 degrees, what is the measure of the missing angle?

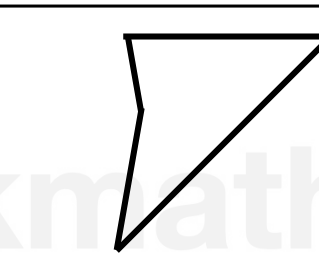


2. Missing angle = 360° - 70° - 90° - 100° = 100°.

3. If two angles in a triangle measure 30 degrees and 80 degrees, what is the measure of the missing angle?

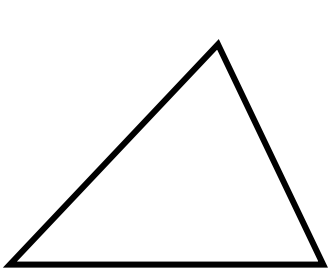
3. Missing angle = 180° - 30° - 80° = 70°.

4. In a quadrilateral, if three angles measure 45 degrees, 45 degrees and 80 degrees. What is the measure of the missing angle?



4. Missing angle = 360° - 45° - 45° - 80° = 190°.

5. In a triangle, if two angles measure 60 degrees and 70 degrees, what is the measure of the missing angle?

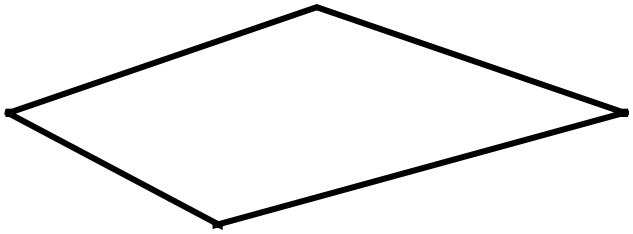


5. Missing angle = 180° - 60° - 70° = 50°.

58. How to calculate missing angles inside shapes made of triangles and quadrilaterals

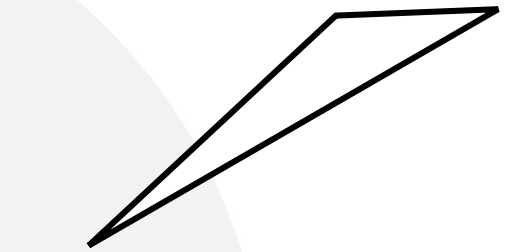
Practice Questions: Answers

6. In a quadrilateral, if one angle measures 120 degrees and the adjacent angles measure 50 degrees and 70 degrees, what is the measure of the missing angle?



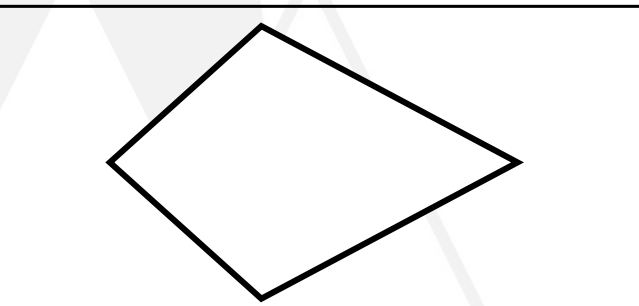
6. Missing angle = 360° - 120° - 50° - 70° = 120°.

7. In a triangle, if one angle measures 130 degrees and another angle measures 20 degrees, what is the measure of the missing angle?



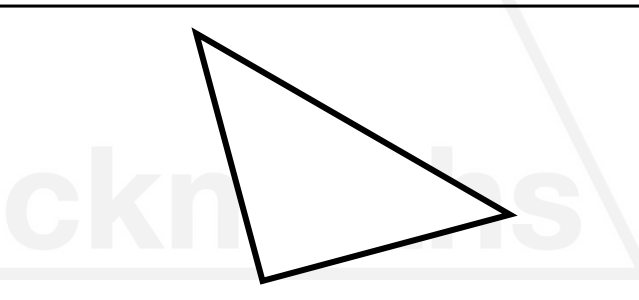
7. Missing angle = 180° - 130 ° - 20° = 30°

8. In a quadrilateral, if two angles measure 60 degrees and 80 degrees, and the remaining angles are equal, what is the measure of the missing angle?



8. Missing angles: (360° - 60° - 80°) ÷ 2 = 110°

9. In a triangle, if two angles measure 45 degrees, what is the measure of the missing angle?



9. Missing angle = 180° - 45° - 45° = 90°