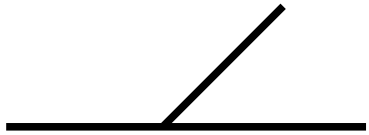
57. How to calculate missing angles around a point

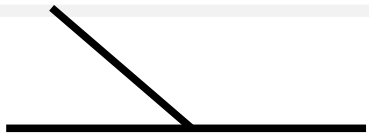
Practice Questions:

1. If one angle on a straight line measures 70 degrees, what is the measure of the missing angle?



2. In a straight line, if two angles measure 80 degrees and 50 degrees, what is the measure of the missing angle?

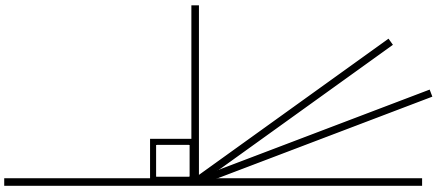
3. If one angle on a straight line measures 120 degrees, what is the measure of the missing angle?



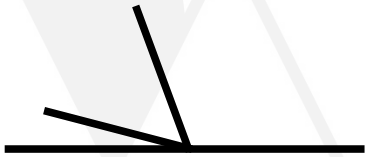
57. How to calculate missing angles around a point

Practice Questions:

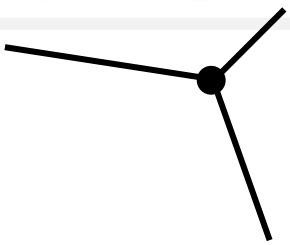
4. In a straight line, if three angles measure 5°, 70°, and 90°, what is the measure of the missing angle?



5. If two angles on a straight line measure 110 degrees and 60 degrees, what is the measure of the missing angle?



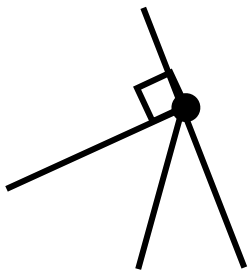
6. If two angles around a point measure 100 degrees and 120 degrees, what is the measure of the missing angle?



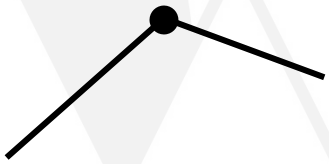
57. How to calculate missing angles around a point

Practice Questions:

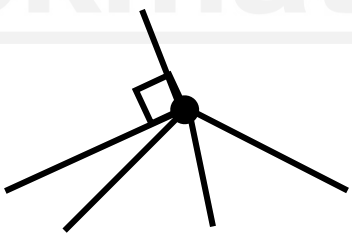
7. In a full rotation around a point, if three angles measure 30°, 60°, and 90°, what is the measure of the missing angle?



8. If one angle around a point measures 240 degrees, what is the measure of the missing angle?



9. If four angles around a point measure 45°, 90°, 20°, and 160°, what is the measure of the missing angle?

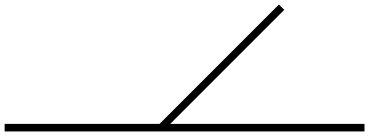


57. How to calculate missing angles around a point

Practice Questions: Answers

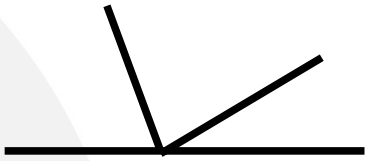
1. If one angle on a straight line measures 70 degrees, what is the measure of the missing angle?

1. Missing angle = 180° - 70° = 110°.



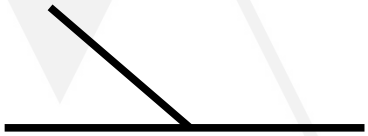
2. In a straight line, if two angles measure 80 degrees and 50 degrees, what is the measure of the missing angle?

2. Missing angle = 180° - 80° - 50° = 50°.



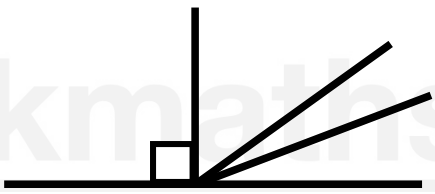
3. If one angle on a straight line measures 120 degrees, what is the measure of the missing angle?

3. Missing angle = 180° - 120° = 60°



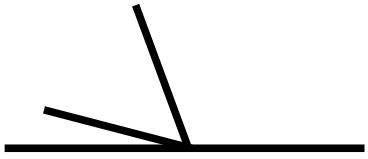
4. In a straight line, if three angles measure 5 degrees, 70 degrees, and 90 degrees, what is the measure of the missing angle?

4. Missing angle = 180° - 90° - 70° - 5° = 15°



5. If two angles on a straight line measure 110 degrees and 60 degrees, what is the measure of the missing angle?

5. Missing angle = 180° - 110° - 60° = 10°

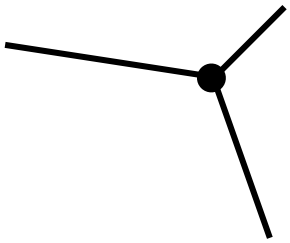


57. How to calculate missing angles around a point

Practice Questions: Answers

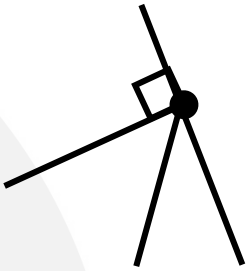
6. If two angles around a point measure 100 degrees and 120 degrees, what is the measure of the missing angle?

6. Missing angle = 360° - 100° - 120° = 140°.



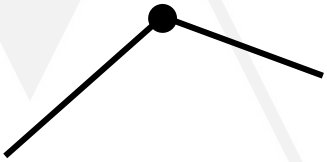
7. In a full rotation around a point, if three angles measure 30 degrees, 60 degrees, and 90 degrees, what is the measure of the missing angle?

7. Missing angle = 360° - 90° - 60° - 30° = 180°.



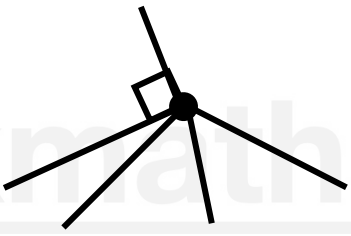
8. If one angle around a point measures 240 degrees, what is the measure of the missing angle?

8. Missing angle = 360° - 240° = 120°



9. In a complete circle, if four angles around a point measure 45 degrees, 90 degrees, 20 degrees, and 160 degrees, what is the measure of the missing angle?

9. Missing angle = 360° -160° -90° -45° -20° = 45°



10. If three angles around a point measure 80 degrees, 100 degrees, and 120 degrees, what is the measure of the missing angle?

10. Missing angle = 360° - 120° - 100° - 80° = 60°