

# Angle Relationships in Geometry

Mathematics · Practice Test · 15 Questions

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**1. What is the rule for supplementary angles?**

- A)  $a + B = 180$
- B)  $a + B = 90$
- C)  $a + B = c$
- D)  $a + B + c = 360$

**2. What is the rule for complementary angles?**

- A)  $a + B = 180$
- B)  $a + B = 90$
- C)  $a + B = c$
- D)  $a + B + c = 360$

**3. What is the rule for angles around a point?**

- A)  $a + B = 180$
- B)  $a + B = 90$
- C)  $a + B = c$
- D)  $a + B + c = 360$

**4. If angle A is 50 degrees, what is the measure of its supplementary angle B?**

- A) 40 degrees
- B) 130 degrees
- C) 50 degrees
- D) 230 degrees

**5. If angle A is 30 degrees, what is the measure of its complementary angle B?**

- A) 60 degrees
- B) 150 degrees
- C) 30 degrees
- D) 210 degrees

**6. In the equation  $a + B = c$ , what is 'c' typically referred to as in relation to angles?**

- A) A straight angle
- B) A reflex angle
- C) The sum of angles
- D) A right angle

**7. What does 'd/lt olmak üzere' likely imply in this context?**

- A) Angles are equal
- B) Angles are parallel
- C) Angles are different
- D) Angles are supplementary

**8. What does 'düz olmak üzere' likely imply in this context?**

- A) Angles are parallel
- B) Angles form a straight line
- C) Angles are complementary
- D) Angles are equal

**9. The rule  $a + B + c = 360$  is associated with which geometric concept?**

- A) Angles on a straight line
- B) Angles in a triangle
- C) Angles around a point
- D) Supplementary angles

**10. What does 'dik olmak üzere' likely imply?**

- A) Angles are equal
- B) Angles are parallel
- C) Angles are perpendicular
- D) Angles are supplementary

**11. The rule  $a + B = 90$  is for which type of angle relationship?**

- A) Supplementary angles
- B) Angles around a point
- C) Complementary angles
- D) Angles on a straight line

**12. What does 'kalem kurali' likely refer to in geometry?**

- A) Angles on a straight line
- B) Angles around a point
- C) Angles in a triangle
- D) Supplementary angles

**13. If  $a + B + c = 360$ , what does this represent?**

- A) Angles on a straight line
- B) Angles in a triangle
- C) Angles around a point
- D) Complementary angles

**14. The rule  $a + B = 180$  represents which angle relationship?**

- A) Complementary angles
- B) Angles around a point
- C) Angles on a straight line
- D) Supplementary angles

**15. What does 'dik olmak üzere' mean in relation to angles?**

- A) Sum is 90 degrees
- B) Sum is 180 degrees
- C) Sum is 360 degrees
- D) They form a right angle