

Angle Relationships in Geometry

Mathematics · Answer Key · 15 Questions

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