ZiloAcademy

✨ Grade 9 Maths — Logical Reasoning ✨

Name: Demo **Date:** 26/11/2026

1. True or False for each (separate your two answers with a comma)? 1) "Subtracting a negative number from a positive number always makes it smaller." 2) "Doubling the side length of a square quadruples its area."

2. True or False: "Every square is a rectangle."

3. True or False for each (separate your two answers with a comma)? 1) "The square root of a number is always smaller than the number itself." 2) "The product of two negative numbers is always negative."

4. True or False: "Every rectangle is a square."

5. True or False for each (separate your two answers with a comma)? 1) "If two triangles have equal angles, they must be congruent." 2) "The product of two odd numbers is always odd."

6. True or False: "The square of a negative number is always negative."

7. True or False for each (separate your two answers with a comma)? 1) "The sum of two odd numbers is always even." 2) "If a number is divisible by 9, it is always divisible by 3."

8. True or False: "An isosceles triangle always has a right angle."

9. True or False: "Doubling the radius of a circle doubles its area."

10. True or False for each (separate your two answers with a comma)? 1) "The sum of the angles in any triangle is always 180°." 2) "The cube of a negative number is always negative."