ZiloAcademy

✨ Grade 8 Maths — Mathematical Reasoning ✨

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

1. True or False: "The product of two negative numbers is always negative."

2. True or False: "The square root of a perfect square is always a whole number."

3. True or False: "The sum of the angles in any triangle is always 180°."

4. True or False for each (separate your two answers with a comma)?
1) "The square root of a perfect square is always a whole number."
2) "The sum of two odd numbers is always even."

5. True or False: "Dividing a number by a fraction less than 1 always makes it bigger."

6. True or False: "Every rhombus is a parallelogram."

7. True or False for each (separate your two answers with a comma)? 1) "Every square is a rectangle." 2) "Every parallelogram is a rhombus."

8. True or False for each (separate your two answers with a comma)? 1) "Adding two negative numbers always gives a negative result." 2) "A number divisible by 6 is always divisible by 3."

9. True or False for each (separate your three answers with commas)? 1) "Multiplying a positive number by a fraction less than 1 always makes it smaller." 2) "The square of a negative number is always negative." 3) "Every integer is a rational number."

10. True or False: "The sum of the interior angles of a quadrilateral is always 360°."