

CBSE Board Examination
Class 7 - Mathematics

Date: 02-10-2025

Section A - Multiple Choice Questions

Q1. What is the value of $(-15) + 8 - (-5)$? (1 marks)

- a. -2
- b. 2
- c. -12
- d. 18

Q2. If an angle measures 65 degrees, what is the measure of its complementary angle? (1 marks)

- a. 115 degrees
- b. 25 degrees
- c. 90 degrees
- d. 35 degrees

Q3. Simplify the expression: $(2^3)^2 \div 2^4$. (1 marks)

- a. 2^2
- b. 2^{12}
- c. 2^3
- d. 2^+

Q4. If two right-angled triangles are congruent, which criterion among the following is uniquely applicable to them? (1 marks)

- a. SAS
- b. AAA
- c. RHS
- d. ASA

Q5. Which of the following rational numbers is equivalent to $5/(-3)$? (1 marks)

- a. $(-5)/3$
- b. $5/3$
- c. $(-10)/6$
- d. $10/(-9)$

Section C - Short Answer Questions

Q6. Solve the simple equation: $5x + 7 = 3x - 1$. (2 marks)

Q7. A rectangular park is 40 m long and 25 m wide. If a path 2 m wide is constructed all around the outside of the park, find the area of the path. (3 marks)

Q8. Simplify the algebraic expression $3(2x + y) - 2(x - 3y)$ and then find its value when $x = 1$ and $y = -1$. (3 marks)

Q9. A bicycle was purchased for ₹1500 and sold after one year for ₹1275. Calculate the loss percentage. (4 marks)

Q10. Identify the number of faces, edges, and vertices of a cube. (3 marks)