

CBSE Board Examination
Class 7 - Mathematics

Date: 02-10-2025

Section A - Multiple Choice Questions

Q1. The difference between an integer P and the number 5 less than P (3 marks)
is:

- a. 5
- b. $P - 5$
- c. $P + 5$
- d. -5

Q2. What is the product of 0.05 and 0.7? (3 marks)

- a. 0.35
- b. 0.0035
- c. 0.035
- d. 3.5

Q3. Simplify: $(5^2 \times 5^4) \div 5^5$ (2 marks)

- a. 5^{11}
- b. 5^1
- c. 5^2
- d. 5^0

Q4. If an angle is 20° more than its complement, what is the measure of the angle? (2 marks)

- a. 35°
- b. 55°
- c. 45°
- d. 70°

Q5. Which of the following rational numbers lies exactly between $-1/3$ and $1/4$? (2 marks)

- a. $1/12$
- b. $-1/24$
- c. $7/12$
- d. $1/7$

Section C - Short Answer Questions

Q6. Solve the following simple equation and verify your answer: $3(x - 2) + 5 = 14$. (4 marks)

Q7. A rectangular park is 40 m long and 30 m wide. A path 2 m wide is constructed outside the park. Find the area of the path. (4 marks)

Q8. Find the median and mode of the following set of marks obtained by 11 students in a test: 8, 12, 15, 12, 17, 8, 12, 10, 19, 12, 14. (4 marks)

Q9. Subtract $(3a - 5b + 7c)$ from the sum of $(5a + 2b - c)$ and $(a - 4b - 3c)$. (3 marks)

Q10. In ΔPQR , the side QR is extended to a point S . If $\angle PRQ = 60^\circ$ and $\angle PRS = 115^\circ$, find the measure of $\angle QPR$. (3 marks)