

Grade 7 - Final Exam

Answer Keys

Practice Papers 1 & 2

Mathematics

Based on Maharashtra Board Syllabus (NEP 2025-26) - Full Syllabus

Note:

This document contains the answer keys for Final Exam Practice Paper 1 and Practice Paper 2.

Practice Paper 1 - Answer Key

Section A: Rational Numbers and Integers

- 1. a) -5
- 1. b) 25
- 1. c) -54
- 1. d) 6
- 1. e) -25
- 2. a) $-\frac{1}{15}$
- 2. b) $\frac{7}{12}$
- 2. c) -1
- 2. d) $-\frac{3}{2}$

2. e) $13/4$

Section B: Indices and Algebraic Expressions

3. a) 5^8

3. b) 10^5

3. c) 7^{15}

3. d) a^{12}

3. e) 4^3

4. a) $7x - y$

4. b) $5a - 7b$

4. c) $7p + 6$

4. d) 11

4. e) $-7x$

Section C: Simple Equations and Geometry

5. a) $x = 11$

5. b) $y = 21$

5. c) $z = 9$

5. d) $p = 40$

5. e) $a = 6$

6. a) 180

6. b) 55°

6. c) 40°

6. d) They are equal.

6. e) [Drawing of two intersecting lines with opposite angles marked as equal]

Section D: Properties of Triangles and Basic Measurement

- 7. a) 180°
- 7. b) $x = 70^\circ$
- 7. c) hypotenuse
- 7. d) between 2 cm and 14 cm
- 7. e) No
- 8. a) Perimeter: 40 cm, Area: 100 sq cm
- 8. b) Perimeter: 56 cm, Area: 160 sq cm
- 9. a) 5000 m
- 9. b) 2500 ml
- 9. c) 3200 g
- 9. d) 105 minutes
- 9. e) ₹8
- 10. a) -14
- 10. b) ₹50
- 10. c) $\frac{1}{4}$ cup
- 10. d) 3°C
- 10. e) 210 km

Practice Paper 2 - Answer Key

Section A: Rational Numbers and Integers

- 1. a) -25
- 1. b) -15

- 1. c) -63
- 1. d) -8
- 1. e) $-\frac{8}{7}$
- 2. a) $\frac{5}{12}$
- 2. b) $\frac{1}{2}$
- 2. c) $-\frac{2}{3}$
- 2. d) -1
- 2. e) $\frac{7}{8}$

Section B: Indices and Algebraic Expressions

- 3. a) 4^8
- 3. b) 12^4
- 3. c) 6^8
- 3. d) x^{20}
- 3. e) 3^4
- 4. a) $9a + 3b$
- 4. b) $4p + 7q$
- 4. c) $9m - 12$
- 4. d) 22
- 4. e) 7

Section C: Simple Equations and Geometry

- 5. a) $a = 25$
- 5. b) $b = 32$
- 5. c) $c = 9$

- 5. d) $r = 42$
- 5. e) $x = 6$
- 6. a) equal
- 6. b) 20°
- 6. c) 135°
- 6. d) They are supplementary (sum is 180°).
- 6. e) [Drawing of two angles sharing a common vertex and a common arm, but no common interior points]

Section D: Properties of Triangles and Measurement

- 7. a) 180°
- 7. b) $z = 60^\circ$
- 7. c) 80° ($180 - 50 - 50$)
- 7. d) between 4 cm and 10 cm
- 7. e) Yes ($5 + 7 > 10$, $5 + 10 > 7$, $7 + 10 > 5$)
- 8. a) Perimeter: 72 cm, Area: 324 sq cm
- 8. b) Length: 20 cm, Perimeter: 70 cm
- 9. a) 12300 m
- 9. b) 5800 ml
- 9. c) 10050 g
- 9. d) 195 minutes ($3 \times 60 + 15$)
- 9. e) 2075 paise
- 10. a) 2 or -8 (If other is x , then $x - (-3) = 5 \rightarrow x + 3 = 5 \rightarrow x = 2$. Or $-3 - x = 5 \rightarrow -x = 8 \rightarrow x = -8$)
- 10. b) ₹50
- 10. c) $\frac{3}{8}$ ($\frac{1}{4} + \frac{1}{8} = \frac{2}{8} + \frac{1}{8}$)
- 10. d) -9°C ($-5 - 4$)

10. e) 1000 m/min (Speed = $300\text{km}/5\text{hr} = 60\text{ km/hr}$. $60\text{ km} = 60000\text{ m}$, $1\text{ hr} = 60\text{ min}$. Speed = $60000/60$)

End of Answer Keys

© 2025 Math Solver