Grade 6 - Second Unit Test

Answer Keys

Practice Papers 1 & 2

Mathematics

Based on Maharashtra Board Syllabus (NEP 2025-26) - 2nd Quarter

Note:

This document contains the answer keys for Second Unit Test Practice Paper 1 and Practice Paper 2.

Practice Paper 1 - Answer Key

Section A: Integers and Fractions

1. a) 15

1. b) -3

1. c) -4

1. d) 8

2. a) 2/12 or 1/6

2. b) 30/30 or 1

2. c) 3 3/4 (or 15/4)

2. d) 2 1/6 (or 13/6)

Section B: Ratio, Proportion and Algebra

3. a) 1:4 (1 hour = 60 minutes, 15:60 simplifies to 1:4)

3. b) Yes (2/3 = 4/6)

3. c) x = 10 (5/10 = x/20 -> 1/2 = x/20 -> x = 10)

4. a) y - 5

4. b) 11 (2*3 + 5 = 6 + 5)

4. c) p = 5 (12 - 7)

Section C: Geometry and Measurement

5. a) 180 degrees

5. b) 110 degrees (180 - 70)

5. c) [Drawing of two angles sharing a common vertex and a common arm, but no common interior points]

6. a) 50 sq cm (10 * 5)

6. b) 28 cm (4 * 7)

6. c) 10,000 sq meters

Practice Paper 2 - Answer Key

Section A: Integers and Fractions

1. a) -32

1. b) 4

1. c) 4

1. d) -10

2. a) 10/55 or 2/11

2. b) 12/18 or 2/3

2. c) 4 3/4 (or 19/4)

2. d) 2 5/9 (or 23/9)

Section B: Ratio, Proportion and Algebra

3. a) 1:4 (2 meters = 200 cm, 50:200 simplifies to 1:4)

3. b) Yes (3/4 = 6/8)

3. c) y = 5 (4/y = 12/15 -> 4/y = 4/5 -> y = 5)

4. a) 2p + 7

4. b) 11 (3*5 - 4 = 15 - 4)

4. c) q = 13 (9 + 4)

Section C: Geometry and Measurement

5. a) 180 degrees

5. b) 55 degrees (90 - 35)

5. c) [Drawing of two intersecting lines forming two pairs of opposite angles]

6. a) 46 cm (2 * (15 + 8))

6. b) 81 sq cm (9 * 9)

6. c) 0.5 sq meters (5000 / 10000)

End of Answer Keys