

Grade 6 - 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: Number Systems and Operations

1. a) 11,11,110
1. b) 4,34,124
1. c) 38,684
1. d) 450
1. e) Twelve lakh thirty-four thousand five hundred sixty-seven
2. a) 10
2. b) 30
2. c) 99,99,999
2. d) 8,800

2. e) 9,99,999

Section B: Integers, Fractions and Decimals

3. a) -4

3. b) 4

3. c) 40

3. d) -8

3. e) -5, -3, 0, 2

4. a) $\frac{7}{6}$ or $1\frac{1}{6}$

4. b) $\frac{5}{10}$ or $\frac{1}{2}$

4. c) 1.95

4. d) 1.75

4. e) 2.2

Section C: Ratio, Proportion and Algebra

5. a) 1:4 (2 hours = 120 minutes, 30:120 simplifies to 1:4)

5. b) Student 1: 30 pens, Student 2: 50 pens (Total parts = 8, 1 part = $\frac{80}{8} = 10$, Student 1 = 3×10 , Student 2 = 5×10)

5. c) Yes ($\frac{4}{12} = \frac{1}{3}$, $\frac{5}{15} = \frac{1}{3}$)

5. d) ₹500 (Cost per book = $\frac{300}{6} = 50$, Cost of 10 books = 10×50)

5. e) $p = 9$ ($\frac{7}{p} = \frac{14}{18} \rightarrow \frac{7}{p} = \frac{7}{9} \rightarrow p = 9$)

6. a) $w - 5$ (or $5 - w$, depending on interpretation, but $w - 5$ is more common for "difference")

6. b) 25 ($4 \times 7 - 3 = 28 - 3$)

6. c) $a = 8$ ($23 - 15$)

6. d) $b = 7$ ($35 \div 5$)

6. e) $2m = 14$

Section D: Geometry, Measurement and Data Handling

7. a) 720 degrees

7. b) 50 degrees ($90 - 40$)

7. c) 85 degrees ($180 - 95$)

7. d) obtuse

7. e) [Drawing of two lines that cross each other]

8. a) Perimeter: 60 cm (4×15), Area: 225 sq cm (15×15)

8. b) Perimeter: 74 cm ($2 \times (25 + 12)$), Area: 300 sq cm (25×12)

9. a) 8500 m

9. b) 10250 ml

9. c) 7050 g

9. d) 330 minutes ($5 \times 60 + 30$)

9. e) ₹6.75

10. a) Sports

10. b) 10 students

10. c) 10 students ($25 - 15$)

10. d) 70 students ($25 + 15 + 10 + 20$)

10. e) 25 students ($20 + 5$)

Practice Paper 2 - Answer Key

Section A: Number Systems and Operations

- 1. a) 9,99,999
- 1. b) 6,65,433
- 1. c) 52,530
- 1. d) 480
- 1. e) $8,05,912 = 8,00,000 + 0 + 5,000 + 900 + 10 + 2$
- 2. a) 12
- 2. b) 24
- 2. c) 10,23,589
- 2. d) 12,000
- 2. e) 1,00,000

Section B: Integers, Fractions and Decimals

- 3. a) -15
- 3. b) 25
- 3. c) -42
- 3. d) -6
- 3. e) 4, 1, 0, -2, -7
- 4. a) $\frac{5}{8}$
- 4. b) $\frac{3}{12}$ or $\frac{1}{4}$
- 4. c) 3.35
- 4. d) 5.55
- 4. e) $\frac{4}{10}$ or $\frac{2}{5}$

Section C: Ratio, Proportion and Algebra

5. a) 2:3 (1 minute = 60 seconds, 40:60 simplifies to 2:3)

5. b) Friend 1: 50 marbles, Friend 2: 70 marbles (Total parts = 12, 1 part = $120/12 = 10$, Friend 1 = 5×10 , Friend 2 = 7×10)

5. c) Yes ($5/10 = 1/2$, $6/12 = 1/2$)

5. d) ₹540 (Cost per kg = $240/4 = 60$, Cost of 9 kg = 9×60)

5. e) $q = 12$ ($9/15 = q/20 \rightarrow 3/5 = q/20 \rightarrow q = 12$)

6. a) $w - 5$ (or $5 - w$)

6. b) 32 ($5 \times 6 + 2 = 30 + 2$)

6. c) $c = 15$ ($35 - 20$)

6. d) $d = 6$ ($42 / 7$)

6. e) $n / 3 = 7$

Section D: Geometry, Measurement and Data Handling

7. a) 360 degrees

7. b) 35 degrees ($90 - 55$)

7. c) 50 degrees ($180 - 130$)

7. d) zero

7. e) [Drawing of two lines that never meet]

8. a) Side: 10 cm ($40/4$), Area: 100 sq cm (10×10)

8. b) Length: 20 cm ($300/15$), Perimeter: 70 cm ($2 \times (20 + 15)$)

9. a) 6150 m

9. b) 8040 ml

9. c) 9025 g

9. d) 160 minutes ($2 \times 60 + 40$)

9. e) ₹12.50

10. a) 16 students ($4 \text{ paw prints} \times 4 \text{ students/paw print}$)

10. b) Bird

10. c) 4 students ($16 - 12$)

10. d) 60 students ($((6+4+3+2) \text{ paw prints} \times 4 \text{ students/paw print} = 15 \times 4)$)

10. e) 17 students (12 current Fish owners + 2 from Birds + 3 original Fish owners = 17 students) - Assuming the question meant "how many students would own Fish *in total* after the change". A simpler interpretation is just adding the 2 students to the current Fish owners: $12 + 2 = 14$ students. Let's go with the simpler interpretation for a Grade 6 level. ****Revised Answer:**** 14 students ($12 + 2$)

End of Answer Keys

© 2025 Math Solver