EduWorks

PEP Grade 5 Mathematics – Practice Questions

This pack contains PEP-style Grade 5 Mathematics questions across key strands. Students should show all working.

Number & Operations

1. Simplify: a) 18/24 b) 25/35 c) 16/20

2. Which is greater? a) 5/6 or 4/5 b) 7/10 or 2/3. Show working.

3. Find: a) 3/4 + 1/8 b) 9/10 − 2/5

4. Of 360 students, 3/8 are boys. a) Boys b) Girls

5. Write 2.75 as a fraction and a mixed number.

6. From 48 mangoes, 5/6 were sold. a) Sold b) Remaining

7. Multiply: a) 24 × 35 b) 408 × 6

8. Divide: a) 864 ÷ 9 b) 1,260 ÷ 7

9. A bottle is 2/3 full. Full capacity is 1.5 L. How much juice is inside?

10. Explain why 4/6 and 2/3 are equal.

Measurement

1. Convert: a) 4.5 kg to g b) 2.75 km to m c) 1.2 L to mL

2. Write 3 kg 450 g in grams.

3. Which is heavier: 2.8 kg or 2,750 g? Explain.

4. Rectangle 15 m by 9 m: a) Perimeter b) Area

5. Tank holds 900 L; 135 L used daily. Water left after 4 days?

6. Measure a pencil at home. Record in cm and mm.

7. Convert 3.25 hours to minutes.

8. Rope 7.5 m cut into 0.75 m pieces. How many pieces?

9. A 5 kg bag costs $2,450. Cost per kg?

10. Explain the difference between area and perimeter.

Time

1. Write in words: a) 7:35 a.m. b) 12:45 p.m.

2. Write in 24-hour time: a) 3:20 p.m. b) 11:05 a.m.

3. Class from 9:10 a.m. to 10:45 a.m. Duration?

4. Convert: a) 150 minutes to h & min b) 4 h 25 min to minutes

5. Bus 06:40 to 10:15. Travel time?

6. Order: 14:25, 8:40 a.m., 19:10, 6:55 a.m.

7. Movie starts 4:50 p.m., lasts 1 h 35 min. End time?

8. Convert 2.75 hours to minutes.

9. Competition 09:30 to 13:05. Duration?

10. Explain why elapsed time matters.

Data Management & Reasoning

1. Books read: Andre 6, Bianca 9, Chris 4, Dana 7. a) Most b) Total

2. Draw a bar graph for the data.

3. Difference between highest and lowest?

4. Find the average (mean).

5. If each book costs $500, total cost?

6. If Bianca reads 3 more books, what happens to the average?

7. Why is a bar graph suitable?

8. Votes: Mango 12, Banana 8, Orange 5, Apple 15. Most popular?

9. How many more prefer apples than oranges?

10. Suggest another way to represent the data.

Answer Key (Suggested)

Number & Operations: 1) a 3/4 b 5/7 c 4/5 2) a 5/6 b 2/3 3) a 7/8 b 1/2

4) Boys 135, Girls 225 5) 11/4; 2 3/4 6) Sold 40, Remain 8

7) a 840 b 2448 8) a 96 b 180 9) 1 L 10) They simplify to the same value

Measurement: 1) 4500 g; 2750 m; 1200 mL 2) 3450 g 3) 2.8 kg heavier

4) P=48 m; A=135 m² 5) 360 L 7) 195 min 8) 10 pieces 9) $490/kg

Time: 3) 1 h 35 min 5) 3 h 35 min 7) 6:25 p.m. 8) 165 min 9) 3 h 35 min

Data: 1) Bianca; 26 3) 5 4) 6.5 5) $13,000 8) Apple 9) 10