

Practice Test Papers on Fractions and Decimals

Class 7 (CBSE / ICSE)

Test Paper 2

Test Code: 2026/Fractions and Decimals/Class7/02

1. Solution:

$$2.13 \times 100 = 213$$

$$2.13 \nabla \cdot 100 = 0.0213$$

$$213 - 0.0213 = 212.9787$$

Answer: 212.9787

2. Solution: Find the average of $\frac{1}{3}$ and $\frac{1}{2}$:

$$\frac{\frac{1}{3} + \frac{1}{2}}{2} = \frac{\frac{2}{6} + \frac{3}{6}}{2} = \frac{\frac{5}{6}}{2} = \frac{5}{12}$$

Answer: $\frac{5}{12}$

3. Solution:

$$\frac{3}{4} \times \frac{16}{27} \times 15 = \frac{3 \times 16 \times 15}{4 \times 27} = \frac{720}{108} = \frac{20}{3} = 6\frac{2}{3}$$

Answer: $6\frac{2}{3}$

4. Solution:

$$0.5 \text{ kg} = 0.5 \times 2.204 \text{ lbs} = 1.102 \text{ lbs}$$

Answer: 1.102

5. Solution: Compare the decimals:

$$0.1 > 0.099 > 0.0909 > 0.00999$$

Answer: 0.1

6. Solution:

$$1.1 - 0.001 = 1.099$$

Answer: 1.099

7. Solution:

$$\frac{43.2 \text{ km}}{2.4 \text{ L}} = 18 \text{ km/L}$$

Answer: 18 km

8. **Solution:**

$$\frac{1}{2} \nabla \cdot \left(\frac{1}{2} \times \frac{1}{2} \right) = \frac{1}{2} \nabla \cdot \frac{1}{4} = \frac{1}{2} \times 4 = 2$$

Answer: 2

9. **Solution:**

$$\frac{7}{8} = 0.875$$

Answer: 0.875

10. **Solution:**

$$\text{Perimeter} = 4 \times 2.5 \text{ cm} = 10 \text{ cm}$$

Answer: 10 cm

11. **Solution:** Convert mixed numbers to improper fractions:

$$2\frac{1}{3} = \frac{7}{3}, \quad 3\frac{1}{4} = \frac{13}{4}$$

Find a common denominator (12):

$$\frac{7}{3} = \frac{28}{12}, \quad \frac{13}{4} = \frac{39}{12}$$
$$\frac{28}{12} + \frac{39}{12} = \frac{67}{12} = 5\frac{7}{12}$$

Answer: $5\frac{7}{12}$

12. **Solution:**

$$\frac{1}{x} = 0.25 \implies x = \frac{1}{0.25} = 4$$

Answer: 4

13. **Solution:**

$$107 \nabla \cdot 13 = 8 \text{ with a remainder of } 3$$

$$\frac{107}{13} = 8\frac{3}{13}$$

Answer: $8\frac{3}{13}$

14. **Solution:**

$$0.4 \times 0.4 \times 0.4 = 0.064$$

Answer: 0.064

15. **Solution:** Amount spent on food:

$$\frac{1}{3} \times 4500 = 1500$$

Remainder after food:

$$4500 - 1500 = 3000$$

Amount spent on rent:

$$\frac{1}{4} \times 3000 = 750$$

Savings:

$$3000 - 750 = 2250$$

Answer: 2250

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