

Class 5 Decimals Worksheet



Advanced Decimals - Class 5

In Class 5, we learn more advanced operations with decimals including **multiplication, division, and working with hundredths**.

Key Concepts:

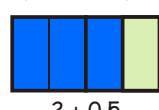
- **Place Value:** Ones . Tenths Hundredths
- **Multiplying Decimals:** Multiply and count decimal places
- **Dividing Decimals:** Move decimal point in both divisor and dividend
- **Converting:** Fractions to decimals and vice versa
- **Example:** $3.45 = 3$ ones + 4 tenths + 5 hundredths

🎯 Sample Problem with Visual

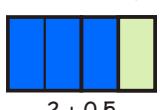
Problem: Multiply 2.5×3

$2.5 \times 3 =$ Adding 2.5 three times

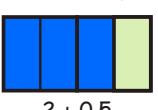
First: 2.5



Second: 2.5



Third: 2.5



Total = 6 wholes + 1.5 = 7.5

$$2.5 \times 3 = 7.5$$

Method:

Step 1: $25 \times 3 = 75$

Step 2: Count decimal places (1)

Step 3: Place decimal: **7.5**

Part A: Warm-up (Easy) - 8 Questions

Q1. Convert the fraction to decimal: $3/10 = \underline{\hspace{2cm}}$

3 out of 10 parts shaded



$$3/10 = 0.\underline{\hspace{0.5cm}}$$

Q2. Write in decimal form: Forty-two point sixty-five = $\underline{\hspace{2cm}}$

Q3. Look at the decimal and identify the place value:

In 5.67, what is the place value of 7?

Q4. True or False: $0.50 = 0.5$

True

False

Q5. Round 4.83 to the nearest tenth: _____

Q6. Add: $3.45 + 2.30 =$ _____

Q7. Subtract: $8.75 - 3.50 =$ _____

Q8. Which is greater? Circle the answer: 6.78 or 6.87

Part B: Practice (Medium) - 10 Questions

Q9. Multiply: $4.5 \times 6 =$ _____

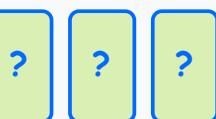
Multiplying Decimals

$$\begin{array}{r} 4.5 \\ \times 6 \\ \hline \end{array} = \boxed{?}$$

Q10. Divide: $12.6 \div 3 = \underline{\hspace{2cm}}$

Divide 12.6 into 3 equal groups

$$12.6 \div 3 =$$



Each group gets the same amount

Q11. A notebook costs ₹45.75 and a pen costs ₹12.50. Ravi buys 2 notebooks and 3 pens. What is the total cost?

Q12. Convert to fraction in simplest form: $0.25 = \underline{\hspace{2cm}}$

Q13. True or False: $3.2 \times 10 = 32$

True

False

Q14. Add three decimals: $5.25 + 3.80 + 2.45 = \underline{\hspace{2cm}}$

Q15. Priya ran 3.75 km on Monday, 4.50 km on Wednesday, and 5.25 km on Friday. What is the total distance she ran?

Q16. Arrange in descending order: 8.45, 8.54, 8.04, 8.40

Q17. Fill in the blank: $7.8 \div 2 = \underline{\hspace{2cm}}$

Q18. Match the following:

Column A

a) 0.75

b) 0.50

c) 0.25

d) 0.20

Column B

i) $1/4$

ii) $1/5$

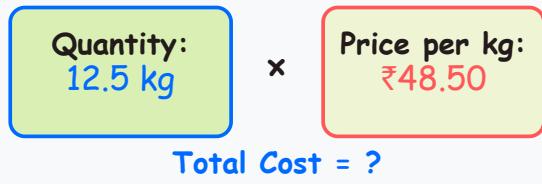
iii) $3/4$

iv) $1/2$

Part C: Challenge (Hard) - 6 Questions

Q19. A shopkeeper bought 12.5 kg of rice at ₹48.50 per kg. How much did he pay in total?

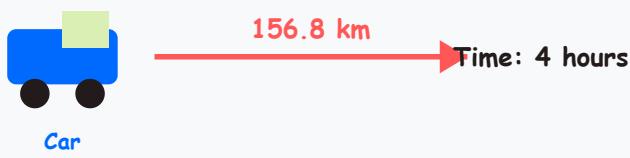
Rice Purchase Problem



Q20. Divide and round to nearest hundredth: $25.5 \div 4 =$ _____

Q21. A car travels 156.8 km in 4 hours. What is the average speed per hour?

Car Speed Problem

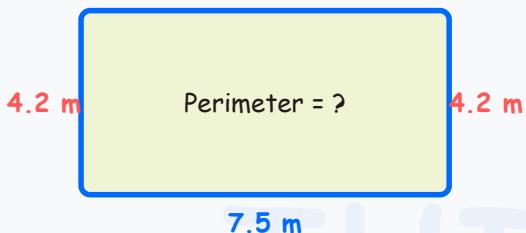


$$\text{Speed} = \text{Distance} \div \text{Time}$$

Q22. Solve: $(3.5 \times 4) + (2.8 \times 3) =$ _____

Q23. A rectangle has length 7.5 m and width 4.2 m. Find the perimeter.

Rectangle Perimeter



Hint: Perimeter = $2 \times (\text{Length} + \text{Width})$

Q24. A water tank has 85.5 liters. If 12.75 liters is used each day, how many complete days will the water last?



Q1: 0.3

Q2: 42.65

Q3: Hundredths

Q4: True

Q5: 4.8

Q7: 5.25

Q8: 6.87

Q9: 27

Q10: 4.2

Q11: ₹129.00

Q12: 1/4

Q13: True

Q14: 11.50

Q15: 13.50 km

Q16: 8.54, 8.45, 8.40,
8.04

Q17: 3.9

Q18: a-iii, b-iv, c-i, d-ii

Q19: ₹606.25

Q20: 6.38

Q21: 39.2 km/hr

Q22: 22.4

Q23: 23.4 m

Q24: 6 days

Scoring Guide

Score Range

20-24 correct

Performance

★★★ Excellent! Decimals Master!

15-19 correct

★★ Very Good! Keep practicing!

10-14 correct

★ Good effort! Review the concepts!

Below 10

💪 Keep trying! Practice makes perfect!

Total Questions: 24 | Your Score: _____ / 24

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