

Subject: Mathematics

Class: 7

Topic: Word Problems: Fractions and Decimals

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Ravi bought 2.5 kg of mangoes and 1.5 kg of apples. What is the total weight (?) of the fruits?
2. A ribbon is 5.4 meters long. If Sunita cuts it into 2 equal parts, what is the length of each part?
3. Anish spent ₹25.50 on a pen and ₹10.25 on an eraser. How much did he spend in total (??)?
4. Express $\frac{3}{4}$ of a liter in decimals: _____ liters.
5. A milkman has 10 liters of milk. He sells 4.5 liters. How much milk is left (??)?
6. Find the area of a square tile with side length 0.5 meters (Area = side²).
7. If one notebook costs ₹40.50, what is the cost of 2 notebooks?
8. Convert 450 paise into Rupees (??) using decimals: _____
9. Meena ran 1.2 km in the morning and 0.8 km in the evening. Total distance = _____ km.
10. Which is greater: 0.5 or 0.05? Use the symbol [?] to point to the larger number.

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Level: Intermediate

1. A car travels 15.5 km in 1 liter of petrol. How far will it go in 3.5 liters? (?)
2. Rahul has a rope of length 12 meters. He cuts off $\frac{3}{4}$ of it. How many meters are left?
3. The price of gold increased by 0.05 times last month. If it was ₹50,000, find the increase (?).
4. A rectangular park is 20.5 m long and 15.2 m wide. Find its perimeter ($P = 2 \times [l + b]$).
5. If a packet of biscuits weighs 0.125 kg, how many packets make 1 kg? (?)
6. Sita spends $\frac{1}{3}$ of her pocket money on books and $\frac{1}{4}$ on food. What total fraction did she spend?
7. A bucket holds 15.75 liters of water. If 2.25 liters leak out, how much is left (?)?
8. Divide 0.75 by 0.15 and show the result: _____
9. Multiply $\frac{2}{5}$ by $\frac{1}{4}$ and convert the answer to a decimal (?).
10. If ? represents the weight of one brick (2.5 kg), what is the weight of 5 bricks?

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Level: Advanced

1. A tin contains 18.5 kg of ghee. After consuming $\frac{2}{3}$ of it, how much ghee (kg) remains? (?)
2. The product of two decimals is 1.85. If one is 0.5, find the other decimal number.
3. A tailor uses 2.25 m of cloth for one shirt. How many shirts can be made from 22.5 m? (?)
4. In a class of 40 students, $\frac{1}{5}$ like Math and $\frac{2}{5}$ like Science. How many like neither? (?)
5. Evaluate: $(0.2)^? + (0.1)^?$. Use $\pi \approx 3.14$ to find the circumference if radius = 0.5 m.
6. A vessel is $\frac{3}{7}$ full of water. 20 more liters are needed to fill it. Find total capacity (?).
7. If ₹500 is divided among A and B such that A gets $\frac{3}{5}$ of the total, how much does B get?
8. A car covers 150.5 km in 2.5 hours. Find its average speed (Speed = Dist / Time).
9. Simplify: $[\frac{1}{2} + \frac{1}{4}] \div 0.25$ and write the final whole number: _____
10. The thickness of 500 sheets of paper is 3.5 cm. Find the thickness of 1 sheet in mm. (?)