

Subject: Maths | Class: 6-8

Topic: Calculations Involving Fractions, Decimals & Percentages

Level: Basic

1. Convert the fraction $\frac{3}{4}$ into a percentage. [Hint: Multiply by 100]
2. Aarav spent Rs.25.50 on a pen and Rs.10.25 on an eraser. Total spent: Rs._____
3. Compare using * symbols: 0.5 _____ 0.05 (Which is greater?)
4. What is 10% of Rs.500? Answer: Rs._____
5. Solve: $\frac{1}{2} + \frac{1}{4} =$ _____
6. Write 0.75 as a fraction in its simplest form.
7. If a pizza is cut into 8 slices and Priya eats 2, what fraction is left? _____
8. Find the value of 0.2×100 . Answer: _____
9. Express 45% as a decimal. Answer: _____
10. Subtract: $5.0 - 2.35 =$ _____

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Level: Intermediate

1. Anish bought a cricket bat for Rs.1200 at a 20% discount. How much did he pay? Rs. _____
2. Convert $\frac{1}{8}$ into a decimal. Answer: _____
3. Solve for theta: If theta = 25% of 80, then theta = _____
4. Add the following: $2\frac{1}{2} + 3\frac{1}{4} =$ _____
5. A bag of rice weighs 5.75 kg. How much will 4 such bags weigh? _____ kg
6. Express 0.66... (recurring) as a fraction. Answer: _____
7. Out of 40 students, 60% are girls. How many boys are there? _____
8. Which is larger: $\frac{2}{5}$ or 35%? Show your work.
9. Calculate: $(0.5 \times 0.5) + 0.75 =$ _____
10. If 1 kg of sugar costs Rs.44.80, find the cost of 250g. Rs. _____

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Level: Advanced

1. A shopkeeper marks a saree at Rs.5000 and gives two successive discounts of 10% and 5%. Final price: Rs._____
2. Solve: $(\frac{3}{4} \div \frac{1}{2}) + 0.25 =$ _____
3. If pi is approximately $\frac{22}{7}$, find the decimal value up to 2 decimal places. _____
4. Calculate the area of a square if its side is 2.5 cm. (Area = side²). _____ cm²
5. In a garden, $\frac{1}{3}$ are roses, 0.4 are lilies, and the rest are sunflowers. What percentage are sunflowers?

6. Simplify: $(0.12 \div 0.003) \times \frac{1}{4} =$ _____
7. A container is $\frac{3}{5}$ full of water. After adding 2 liters, it is 70% full. Total capacity: _____ liters
8. Convert 0.125 into a percentage and a fraction. _____% | _____ (fraction)
9. If $x + 15\%$ of $x = 230$, find the value of x . $x =$ _____
10. Solve the complex fraction: $(\frac{1}{2} + \frac{1}{3}) / (\frac{1}{2} - \frac{1}{3}) =$ _____