

Subject: Mathematics

Class: 7

Topic: Addition and Subtraction of Fractions and Decimals

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Solve the simple addition: $\frac{2}{7} + \frac{3}{7} =$ _____.
2. Aarav spent ? 5.50 on a pen and ? 10.25 on a notebook. Total spent: ? _____.
3. Find the value of $1 - \frac{4}{5}$. (Hint: 1 can be written as $\frac{5}{5}$) Answer: _____.
4. Convert the decimal 0.75 into a fraction in simplest form: _____.
5. Subtract: $9.85 - 4.32 =$ _____.
6. Which is greater: 0.5 or 0.05? Answer: _____.
7. Add the mixed fractions: $1\frac{1}{2} + 2\frac{1}{2}$. Answer: _____.
8. Rahul has a ribbon of length 5.5 meters. He cuts 2.2 meters. Remaining: _____ m.
9. Express 7 paise as Rupees using decimals: ? _____.
10. Find the sum of 0.3, 0.03, and 0.003: _____.

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Level: Intermediate

1. Solve for x : $\frac{3}{4} + \frac{5}{6} = x$. (Find the LCM of 4 and 6 first) $x =$ _____.
2. Anish bought 2.5 kg of potatoes and 1.75 kg of onions. Total weight: _____ kg.
3. Subtract $3\frac{1}{4}$ from $7\frac{1}{2}$. Result: _____.
4. Compare using $<$, $>$, or $=$: $\frac{2}{3}$ [x] $\frac{3}{4}$.
5. Sita had x 100. She bought a doll for x 75.50. How much change did she get? x _____.
6. Find the perimeter of a triangle with sides 2.3 cm, 4.5 cm, and 3.7 cm: _____ cm.
7. What should be added to 15.05 to get 20? Answer: _____.
8. Calculate: $(\frac{1}{2} + \frac{1}{3}) - \frac{1}{6}$. Answer: _____.
9. A rectangular park is 20.5 m long and 15.2 m wide. Find its perimeter: _____ m.
10. Express 5 cm in kilometers using decimals: _____ km.

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Level: Advanced

1. A container has $5 \frac{1}{4}$ liters of milk. $2 \frac{2}{3}$ liters are used. How much is left? _____ L.
2. Solve for ? value approximation: $22/7 - 3.14$. (Write as a decimal to 3 places): _____.
3. If $x + 2.35 = 10.005$, find the value of x: _____.
4. Arrange in descending order: $2/5$, $3/10$, $1/2$. Answer: _____.
5. A car covers 15.5 km in 1 liter of petrol. How far will it go in 10.5 liters? _____ km.
6. Solve: $100.01 - 9.99 + 0.001 =$ _____.
7. In a class of 40, $1/5$ like Mangoes and $2/5$ like Apples. How many like other fruits? _____.
8. Find the difference between the sum of (1.2 and 3.8) and (0.5 and 0.15): _____.
9. A square has a side of $4/3$ cm. Find its perimeter: _____ cm.
10. Challenge: Find the sum of $1/2 + 1/4 + 1/8 + 1/16$. Answer: _____.