

Subject: Maths

Class: 5-6

Topic: Expressing a Fraction as a Decimal and Vice-Versa

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Express $7/10$ as a decimal: _____.
2. Write 0.5 as a fraction in its simplest form: _____.
3. Aarav has $1\frac{1}{2}$. Write this amount as a decimal: ? _____.
4. Convert $25/100$ into a decimal: _____.
5. What is the decimal value of $3/10$? [?] 0.3 | [?] 3.0
6. Convert 0.09 into a fraction: _____.
7. In a box of 10 pens, 4 are blue. Write the fraction of blue pens as a decimal: _____
8. Express $15/10$ as a decimal: _____.
9. Write 0.75 as a fraction: _____.
10. Is $1/10$ the same as 0.1? (Write Yes/No): _____.

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Level: Intermediate

1. Convert $\frac{1}{4}$ into a decimal (Hint: Multiply denominator to make it 100): _____
2. Ananya bought a ribbon for ? 5 and 50 paise. Express 50 paise as a fraction of a Rupee: _____
3. Write $2\frac{1}{2}$ (two and a half) as a decimal: _____.
4. Express $\frac{12}{25}$ as a decimal using the ? symbol to mark your answer: _____
5. Convert 0.125 into a fraction: _____.
6. A bag of rice weighs $\frac{3}{5}$ kg. Express this weight in decimals: _____ kg.
7. Compare: 0.5 _____ $\frac{1}{2}$ (Use $<$, $>$ or $=$).
8. Write $\frac{4}{5}$ as a decimal: _____.
9. Convert 0.64 into a fraction and simplify it: _____.
10. If a pizza is cut into 8 slices and Rohan eats 2, write the decimal for the portion eaten: _____

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Level: Advanced

1. Express $\frac{1}{8}$ as a decimal: _____.
2. Convert the mixed fraction $5\frac{3}{4}$ into a decimal: _____.
3. Rahul spent ₹ 15.75 at the shop. Express the decimal part (0.75) as a fraction: _____.
4. Solve and express as a decimal: $\frac{1}{2} + \frac{1}{4} =$ _____.
5. If $\frac{1}{2} = 0.4$, find the fraction value of $\frac{1}{4}$ ($\frac{1}{4}$ squared): _____.
6. Convert 0.005 into a fraction in its lowest terms: _____.
7. Express $\frac{17}{20}$ as a decimal: _____.
8. A tank is 0.85 full. What fraction of the tank is empty? _____.
9. Represent the decimal 2.12 as a mixed fraction: _____.
10. Challenge: Convert $\frac{7}{8}$ into a decimal and round it to two decimal places: _____.