

Subject: Mathematics

Class: 5

Topic: Equivalent Fractions and Simplification

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Find the missing number: $\frac{1}{2} = \frac{\quad}{4}$?
2. Write an equivalent fraction of $\frac{3}{5}$ by multiplying both by 2: _____
3. Simplify the fraction $\frac{10}{20}$ to its lowest form: _____
4. Is $\frac{2}{4}$ equivalent to $\frac{4}{8}$? Write (Yes/No): _____
5. Fill in the blank: $\frac{5}{10} = 1 / \frac{\quad}{\quad}$?
6. Ravi ate $\frac{2}{4}$ of a pizza. Represent this as a simpler fraction: _____
7. Circle the fraction equivalent to $\frac{1}{3}$: [$\frac{2}{6}$ | $\frac{2}{5}$ | $\frac{3}{10}$] ?
8. Complete the pattern: $\frac{1}{4}$, $\frac{2}{8}$, $\frac{3}{12}$, _____ / _____
9. Express $\frac{15}{15}$ as a whole number: _____ ?
10. If a chocolate is divided into 8 parts and Meera eats 4, what is the fraction? _____

Subject: Mathematics

Class: 5

Topic: Equivalent Fractions and Simplification

Levels: Basic, Intermediate, Advanced

Level: Intermediate

1. Simplify $24/36$ using the highest common factor (HCF): _____
2. Asha has ₹ 100. She spends $1/4$ on a pen. What is the equivalent fraction out of 100? _____
3. Convert the improper fraction $7/3$ into a mixed number: _____
4. Find 'x' if $3/7 = x/21$. Value of x = _____ ?
5. Compare using symbols (?): $4/5$ _____ $8/10$ (Use =, <, or >)
6. Simplify $45/60$ to its simplest form: _____ ?
7. Write three equivalent fractions for $5/6$: _____, _____, _____
8. If $1/2$ of a class of 40 students are boys, how many students is that? _____
9. Reduce $18/54$ to the simplest form: _____ ?
10. Check if $9/12$ and $3/4$ are equivalent by cross-multiplication: _____

Subject: Mathematics

Class: 5

Topic: Equivalent Fractions and Simplification

Levels: Basic, Intermediate, Advanced

Level: Advanced

1. Simplify the sum of $\frac{1}{4} + \frac{2}{8}$ and provide the final fraction: _____
2. Anil spent $\frac{20}{100}$ of his pocket money. Simplify this fraction: _____ ?
3. If ? represents $\frac{1}{3}$, what fraction do ? + ? represent in simplest form? _____
4. A bag has 50 marbles. 10 are red. What equivalent fraction of the bag is NOT red? _____
5. Simplify: $(\frac{15}{25}) \div (\frac{5}{5}) =$ _____ ?
6. Find the value of 'y' such that $\frac{12}{y} = \frac{3}{4}$. $y =$ _____
7. Convert $2^2 / 8$ into its simplest equivalent fraction: _____
8. Express the fraction $\frac{75}{100}$ as a fraction with denominator 4: _____
9. In a garden, $\frac{2}{10}$ of the plants are roses. Write this as a fraction with denominator 50: _____
10. Challenge: If a recipe needs $\frac{3}{4}$ cup of sugar, find an equivalent fraction with 12 as denominator:
