

Name: _____

Date: _____

Period: _____

Fractions Practice Worksheet

Instructions: Solve each problem carefully. Show all your work in the space provided. Write your final answer as a simplified fraction or mixed number where appropriate.

1. A recipe calls for $\frac{3}{4}$ cup of sugar. If you want to make only $\frac{1}{2}$ of the recipe, how much sugar do you need? Express your answer in simplest form.

2. Add: $\frac{2}{5} + \frac{3}{10}$. Simplify your answer.

3. Subtract: $\frac{7}{8} - \frac{1}{4}$. Simplify your answer.

4. Multiply: $\frac{2}{3} \times \frac{5}{6}$. Simplify your answer.

5. Divide: $\frac{4}{9} \div \frac{2}{3}$. Simplify your answer.

6. A pizza is cut into 8 equal slices. If you eat $\frac{3}{8}$ of the pizza and your friend eats $\frac{1}{4}$ of the pizza, what fraction of the pizza is left?

7. Compare: $\frac{3}{4}$ ----- $\frac{5}{8}$. Write $<$, $>$, or $=$ in the blank.

8. Convert $\frac{17}{5}$ to a mixed number.

9. Convert $2\frac{3}{7}$ to an improper fraction.

10. A ribbon is $3\frac{1}{2}$ feet long. You cut off $\frac{2}{3}$ of a foot. How much ribbon is left? Express your answer as a mixed number.

Answer Key

1. $\frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$ cup of sugar.
2. $\frac{2}{5} = \frac{4}{10}$, so $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$.
3. $\frac{1}{4} = \frac{2}{8}$, so $\frac{7}{8} - \frac{2}{8} = \frac{5}{8}$.
4. $\frac{2}{3} \times \frac{5}{6} = \frac{10}{18} = \frac{5}{9}$.
5. $\frac{4}{9} \div \frac{2}{3} = \frac{4}{9} \times \frac{3}{2} = \frac{12}{18} = \frac{2}{3}$.
6. $\frac{1}{4} = \frac{2}{8}$, so eaten: $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$. Left: $1 - \frac{5}{8} = \frac{3}{8}$.
7. $\frac{3}{4} = \frac{6}{8}$, and $\frac{6}{8} > \frac{5}{8}$, so $\frac{3}{4} > \frac{5}{8}$.
8. $\frac{17}{5} = 3\frac{2}{5}$.
9. $2\frac{3}{7} = \frac{2 \times 7 + 3}{7} = \frac{17}{7}$.
10. $3\frac{1}{2} = \frac{7}{2} = \frac{21}{6}$, $\frac{2}{3} = \frac{4}{6}$, so $\frac{21}{6} - \frac{4}{6} = \frac{17}{6} = 2\frac{5}{6}$ feet.