

Grade 4 Math Worksheet: Equivalent Fractions (Difficulty Level: Intermediate)

Name: _____

Date: _____

Part A: Fill in the Missing Numerator or Denominator

1. $\frac{1}{3} = \frac{_}{12}$
 2. $\frac{3}{7} = \frac{_}{35}$
 3. $\frac{5}{8} = \frac{10}{_}$
 4. $\frac{2}{9} = \frac{_}{27}$
 5. $\frac{4}{5} = \frac{12}{_}$
 6. $\frac{7}{10} = \frac{_}{50}$
 7. $\frac{3}{4} = \frac{_}{20}$
 8. $\frac{9}{11} = \frac{_}{22}$
 9. $\frac{6}{13} = \frac{_}{39}$
 10. $\frac{8}{15} = \frac{16}{_}$
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Part B: Write Equivalent Fractions in Simplest Form

1. $\frac{16}{24} = \frac{_}{_}$
 2. $\frac{20}{30} = \frac{_}{_}$
 3. $\frac{25}{35} = \frac{_}{_}$
 4. $\frac{18}{27} = \frac{_}{_}$
 5. $\frac{14}{28} = \frac{_}{_}$
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Part C: Word Problems

1. Sarah ate $\frac{3}{4}$ of a pizza. If her friend ate $\frac{6}{8}$ of a pizza, did they eat the same amount?
2. John has $\frac{4}{10}$ of a cake. Simplify this fraction.
3. A recipe calls for $\frac{2}{3}$ cup of sugar. If you double the recipe, how much sugar is needed?
4. Mia walked $\frac{5}{8}$ of a mile, and Jack walked $\frac{10}{16}$ of a mile. Who walked farther?

5. A classroom has 18 boys and 24 girls. What fraction of the class are boys?
Simplify the fraction.
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Part D : Match the Equivalent Fractions

1. $\frac{3}{8} \rightarrow \frac{6}{16}, \frac{9}{24}, \frac{12}{32}$
 2. $\frac{2}{7} \rightarrow \frac{4}{14}, \frac{6}{21}, \frac{8}{28}$
 3. $\frac{4}{5} \rightarrow \frac{8}{10}, \frac{12}{15}, \frac{16}{20}$
 4. $\frac{5}{6} \rightarrow \frac{10}{12}, \frac{15}{18}, \frac{20}{24}$
 5. $\frac{1}{3} \rightarrow \frac{2}{6}, \frac{3}{9}, \frac{4}{12}$
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