



Multiply/Divide Fractions

Name _____ Class _____ Date _____

1 By dividing both the numerator and denominator by the same number, an **equivalent fraction** can be calculated.

$$\frac{5}{20} = \frac{1}{4} \text{ so } \frac{15}{20} = \square$$

- A $\frac{1}{2}$ B $\frac{3}{4}$ C $\frac{2}{3}$ D $\frac{1}{5}$

2 Sometimes a fraction can be “reduced” to an equivalent fraction with a lower number as the denominator.

Ex: $\frac{2}{4} = \frac{1}{2}$ and $\frac{8}{12} = \frac{2}{3}$.

What is an **equivalent fraction** for $\frac{10}{15}$?

- A $\frac{1}{6}$ B $\frac{3}{5}$ C $\frac{2}{3}$ D $\frac{3}{7}$

3 You can reduce $\frac{12}{20}$ to _____.

$$\begin{array}{r} 12 \div 4 \\ 20 \div 4 \end{array}$$

4 You can reduce $\frac{8}{14}$ to _____.



Divide both numbers by 2



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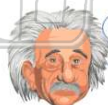
- A $\frac{4}{15}$ B $\frac{2}{15}$ C $\frac{2}{3}$ D $\frac{8}{10}$

- A correct
B incorrect



9 Divide the following fractions and reduce the quotient to its **lowest** terms.

$$\frac{5}{10} \div \frac{4}{6} = \square$$



Solve and simplify.

- A $\frac{1}{3}$ B $\frac{20}{30}$ C $\frac{30}{40}$ D $\frac{3}{4}$

10 Multiply the following fractions and reduce the quotient to its **lowest** terms.

$$\frac{3}{7} \times \frac{1}{3} = \square$$

- A $\frac{1}{7}$ B $\frac{1}{21}$ C $\frac{3}{4}$ D $\frac{3}{21}$



ANSWER KEY

By dividing both the numerator and denominator by the same number, an **equivalent fraction** can be calculated.

$$\frac{5}{20} = \frac{1}{4} \text{ so } \frac{15}{20} = \square$$

- A $\frac{1}{2}$ B $\frac{3}{4}$ C $\frac{2}{3}$ D $\frac{1}{5}$

You can reduce $\frac{12}{20}$ to _____.

$$\begin{array}{l} 12 \div 4 \\ 20 \div 4 \end{array}$$

- A $\frac{3}{4}$ B $\frac{2}{5}$ C $\frac{4}{5}$ D $\frac{3}{5}$

Sometimes a fraction can be "reduced" to an equivalent fraction with a lower number as the denominator.

Ex: $\frac{2}{4} = \frac{1}{2}$ and $\frac{8}{12} = \frac{2}{3}$.

What is an **equivalent fraction** for $\frac{10}{15}$?

- A $\frac{1}{6}$ B $\frac{3}{5}$ C $\frac{2}{3}$ D $\frac{3}{7}$

You can reduce $\frac{8}{14}$ to _____.

Divide both numbers by 2

- A $\frac{1}{2}$ B $\frac{2}{7}$ C $\frac{3}{7}$ D $\frac{4}{7}$



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- A $\frac{4}{15}$ B $\frac{2}{15}$ C $\frac{2}{3}$ D $\frac{8}{10}$

Divide the following fractions and reduce the quotient to its **lowest** terms.

$$\frac{5}{10} \div \frac{4}{6} = \square$$

Solve and simplify.

- A $\frac{1}{3}$ B $\frac{20}{30}$ C $\frac{30}{40}$ D $\frac{3}{4}$

- A correct
B incorrect



Multiply the following fractions and reduce the quotient to its **lowest** terms.

$$\frac{3}{7} \times \frac{1}{3} = \square$$

- A $\frac{1}{7}$ B $\frac{1}{21}$ C $\frac{3}{4}$ D $\frac{3}{21}$