

Name: _____

Date: _____

Multiplying Proper Fractions

1. Cancel.
2. Multiply.
3. Write your answer
in simplest form.

Example: Multiply $\frac{2}{5} \times \frac{10}{16}$

Step 1: $\frac{2}{5} \times \frac{10}{16}$

Step 2: $\frac{1 \cancel{2}}{1 \cancel{5}} \times \frac{\cancel{10}^2}{\cancel{16}_8^4}$

Step 2 cont.: $\frac{1 \cdot 1}{1 \cdot 4}$

Step 3: $\frac{1}{4}$

$$\frac{2}{3} \times \frac{1}{2} = \underline{\hspace{2cm}}$$

$$\frac{10}{14} \times \frac{2}{15} = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \times \frac{1}{3} = \underline{\hspace{2cm}}$$

$$\frac{17}{18} \times \frac{4}{16} = \underline{\hspace{2cm}}$$

$$\frac{3}{4} \times \frac{3}{6} = \underline{\hspace{2cm}}$$

$$\frac{7}{16} \times \frac{20}{25} = \underline{\hspace{2cm}}$$

$$\frac{2}{8} \times \frac{6}{8} = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \times \frac{4}{18} = \underline{\hspace{2cm}}$$

$$\frac{7}{8} \times \frac{1}{10} = \underline{\hspace{2cm}}$$

$$\frac{2}{14} \times \frac{4}{10} = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \times \frac{2}{8} = \underline{\hspace{2cm}}$$

$$\frac{2}{14} \times \frac{1}{2} = \underline{\hspace{2cm}}$$

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Example: Multiply $\frac{2}{5} \times \frac{10}{16}$

Step 1: $\frac{2}{5} \times \frac{10}{16}$

Step 2: $\frac{1}{1} \frac{\cancel{2}^1}{\cancel{5}_1} \times \frac{\cancel{10}^2}{\cancel{16}_8} \frac{1}{4}$

Step 2 cont.: $\frac{1 \cdot 1}{1 \cdot 4}$

Step 3: $\frac{1}{4}$

$$\frac{2}{3} \times \frac{1}{2} = \frac{1}{3}$$

$$\frac{10}{14} \times \frac{2}{15} = \frac{2}{21}$$

$$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$$

$$\frac{17}{18} \times \frac{4}{16} = \frac{17}{72}$$

$$\frac{3}{4} \times \frac{3}{6} = \frac{3}{8}$$

$$\frac{7}{16} \times \frac{20}{25} = \frac{7}{20}$$

$$\frac{2}{8} \times \frac{6}{8} = \frac{3}{16}$$

$$\frac{1}{3} \times \frac{4}{18} = \frac{2}{27}$$

$$\frac{7}{8} \times \frac{1}{10} = \frac{7}{80}$$

$$\frac{2}{14} \times \frac{4}{10} = \frac{2}{35}$$

$$\frac{1}{2} \times \frac{2}{8} = \frac{1}{8}$$

$$\frac{2}{14} \times \frac{1}{2} = \frac{1}{14}$$