

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: $\frac{1}{4}$

$$\frac{1}{3} \times \frac{2}{14} = \underline{\hspace{2cm}}$$

$$\frac{2}{3} \times \frac{4}{5} = \underline{\hspace{2cm}}$$

$$\frac{6}{15} \times \frac{1}{4} = \underline{\hspace{2cm}}$$

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

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

$$\frac{11}{14} \times \frac{10}{15} = \underline{\hspace{2cm}}$$

$$\frac{3}{10} \times \frac{7}{15} = \underline{\hspace{2cm}}$$

$$\frac{9}{12} \times \frac{8}{14} = \underline{\hspace{2cm}}$$

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

$$\frac{1}{4} \times \frac{9}{12} = \underline{\hspace{2cm}}$$

$$\frac{4}{8} \times \frac{9}{10} = \underline{\hspace{2cm}}$$

$$\frac{5}{12} \times \frac{2}{12} = \underline{\hspace{2cm}}$$

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

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

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

$$\frac{1}{3} \times \frac{2}{14} = \frac{1}{21}$$

$$\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$$

$$\frac{6}{15} \times \frac{1}{4} = \frac{1}{10}$$

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

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

$$\frac{11}{14} \times \frac{10}{15} = \frac{11}{21}$$

$$\frac{3}{10} \times \frac{7}{15} = \frac{7}{50}$$

$$\frac{9}{12} \times \frac{8}{14} = \frac{3}{7}$$

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

$$\frac{1}{4} \times \frac{9}{12} = \frac{3}{16}$$

$$\frac{4}{8} \times \frac{9}{10} = \frac{9}{20}$$

$$\frac{5}{12} \times \frac{2}{12} = \frac{5}{72}$$