Dividing Proper Fractions

1. Keep the first fraction.
2. Change the “÷” symbol to “x”.
3. Cancel, if you can.
5. Write your answer in simplest form.

Example:

\[ \frac{3}{5} \div \frac{6}{15} \]

Step 1 & 2: \[ \frac{3}{5} \times \frac{15}{6} \]

Step 3: \[ \frac{1}{2} \times \frac{15}{6} \]

Step 4 & 5: \[ \frac{13}{12} = \frac{3}{2} = 1 \frac{1}{2} \]

\[ \frac{5}{15} \div \frac{1}{5} = \] _______  \[ \frac{5}{8} \div \frac{10}{20} = \] _______  \[ \frac{7}{15} \div \frac{5}{9} = \] _______

\[ \frac{3}{6} \div \frac{4}{8} = \] _______  \[ \frac{9}{12} \div \frac{3}{4} = \] _______  \[ \frac{3}{9} \div \frac{4}{14} = \] _______

\[ \frac{13}{16} \div \frac{1}{4} = \] _______  \[ \frac{6}{8} \div \frac{4}{9} = \] _______  \[ \frac{13}{25} \div \frac{16}{20} = \] _______

\[ \frac{2}{4} \div \frac{1}{5} = \] _______  \[ \frac{1}{10} \div \frac{1}{4} = \] _______  \[ \frac{1}{5} \div \frac{4}{15} = \] _______
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Example:
\[
\frac{3}{5} \div \frac{6}{15}
\]
Step 1 & 2: 
\[
\frac{3}{5} \times \frac{15}{6}
\]
Step 3:
\[
\frac{1}{3} \times \frac{15}{6}
\]
Step 4 & 5:
\[
\frac{13}{12} = \frac{3}{2} = 1 \frac{1}{2}
\]

\[
\frac{5}{15} \div \frac{1}{5} = \frac{12}{3}
\]
\[
\frac{5}{8} \div \frac{10}{20} = \frac{14}{4}
\]
\[
\frac{7}{15} \div \frac{5}{9} = \frac{21}{25}
\]

\[
\frac{3}{6} \div \frac{4}{8} = \frac{12}{4}
\]
\[
\frac{9}{12} \div \frac{3}{4} = \frac{12}{6}
\]
\[
\frac{3}{9} \div \frac{4}{14} = \frac{12}{6}
\]

\[
\frac{13}{16} \div \frac{1}{4} = \frac{32}{4}
\]
\[
\frac{6}{8} \div \frac{4}{9} = \frac{18}{6}
\]
\[
\frac{13}{25} \div \frac{16}{20} = \frac{32}{10}
\]

\[
\frac{2}{4} \div \frac{1}{5} = \frac{10}{2}
\]
\[
\frac{1}{10} \div \frac{1}{4} = \frac{4}{5}
\]
\[
\frac{1}{5} \div \frac{4}{15} = \frac{3}{4}
\]