Math Worksheet

Name _____

MULTIPLICATION FRACTION

Solve the fraction problem and reduce the answer to simplest form:

$\frac{4}{5} \times \frac{4}{9} =$

$\frac{3}{4} \times \frac{7}{9} =$

$\frac{2}{5} \times \frac{2}{3} =$

$\frac{2}{3} \times \frac{5}{9} =$

$\frac{3}{10} \times \frac{5}{9} =$

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

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

$\frac{5}{8} \times \frac{3}{5} =$

Answer key

MULTIPLICATION FRACTION

Solve the fraction problem and reduce the answer to simplest form:

$\frac{4}{5} \times \frac{4}{9} = \frac{4 \times 4}{5 \times 9} \Rightarrow \frac{16}{45}$

$\frac{3}{4} \times \frac{7}{9} = \frac{\cancel{3}^{1}}{4} \times \frac{7}{\cancel{9}_{3}} \Rightarrow \frac{1 \times 7}{4 \times 3} \Rightarrow \frac{7}{12}$

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

$\frac{2}{3} \times \frac{5}{9} = \frac{2 \times 5}{3 \times 9} \Rightarrow \frac{10}{27}$

$\frac{3}{10} \times \frac{5}{9} = \frac{\cancel{3}^{1}}{\cancel{10}_{2}} \times \frac{\cancel{5}^{1}}{\cancel{9}_{3}} \Rightarrow \frac{1 \times 1}{2 \times 3} \Rightarrow \frac{1}{6}$

$\frac{2}{8} \times \frac{2}{3} = \frac{2}{\cancel{8}_{4}} \times \frac{\cancel{2}^{1}}{3} \Rightarrow \frac{2 \times 1}{4 \times 3} \Rightarrow \frac{2}{12} \Rightarrow \frac{1}{6}$

$\frac{2}{3} \times \frac{2}{6} = \frac{\cancel{2}^{1}}{3} \times \frac{2}{\cancel{6}_{3}} \Rightarrow \frac{1 \times 2}{3 \times 3} \Rightarrow \frac{2}{9}$

$\frac{5}{8} \times \frac{3}{5} = \frac{\cancel{5}^{1}}{8} \times \frac{3}{\cancel{5}_{1}} \Rightarrow \frac{1 \times 3}{8 \times 1} \Rightarrow \frac{3}{8}$