Stay on Track

To multiply fractions, multiply the numerators and multiply the denominators. You can use canceling to make certain problems easier. To cancel, first divide the numerator of one fraction and the denominator of the other fraction by their greatest common factor. Then multiply.

$$\frac{3}{4} \times \frac{6}{7} \rightarrow \frac{3}{\cancel{4}\,2} \times \frac{\cancel{6}^{\,3}}{7} = \frac{9}{14}$$

The greatest common factor of 4 and 6 is 2. Divide both 4 and 6 by 2. Then multiply the fractions.

Multiply. Use canceling when you can. Write your answers in simplest form.

A. $\frac{1}{2} \times \frac{5}{12} =$ $\frac{3}{8} \times \frac{8}{10} =$ $\frac{3}{4} \times \frac{4}{7} =$

B. $\frac{7}{10} \times \frac{2}{21} =$ $\frac{5}{8} \times \frac{7}{9} =$ $\frac{3}{4} \times \frac{20}{24} =$

C. $\frac{6}{7} \times \frac{11}{12} =$ $\frac{5}{6} \times \frac{4}{10} =$ $\frac{7}{8} \times \frac{18}{21} =$

D. $\frac{8}{10} \times \frac{4}{8} =$ $\frac{12}{20} \times \frac{5}{9} =$ $\frac{7}{9} \times \frac{4}{12} =$

E. $\frac{16}{24} \times \frac{6}{15} =$ $\frac{5}{7} \times \frac{6}{8} =$ $\frac{3}{7} \times \frac{8}{12} =$

F. $\frac{12}{15} \times \frac{2}{9} =$ $\frac{9}{14} \times \frac{21}{36} =$ $\frac{5}{36} \times \frac{28}{30} =$