

Name : _____

Multiplying Fractions with Cross Canceling

Reduce the following to the simplest form. Show your work.

$$① \quad \frac{2}{12} \times \frac{3}{6}$$

=

$$② \quad \frac{5}{6} \times \frac{12}{20}$$

=

$$③ \quad \frac{4}{10} \times \frac{6}{9}$$

=

$$④ \quad \frac{8}{21} \times \frac{14}{4}$$

=

$$⑤ \quad \frac{2}{10} \times \frac{20}{8}$$

=

$$⑥ \quad \frac{5}{12} \times \frac{9}{20}$$

=

$$⑦ \quad \frac{4}{20} \times \frac{4}{7}$$

=

$$⑧ \quad \frac{18}{21} \times \frac{7}{4}$$

=

$$⑨ \quad \frac{4}{6} \times \frac{3}{5}$$

=

$$⑩ \quad \frac{3}{11} \times \frac{22}{9}$$

=

$$⑪ \quad \frac{8}{12} \times \frac{4}{7}$$

=

$$⑫ \quad \frac{6}{12} \times \frac{18}{30}$$

=

Name : _____

Multiplying Fractions with Cross Canceling

Answers

$$\begin{aligned} 1 \quad & \frac{2}{12} \times \frac{3}{6} \\ & = \frac{1}{12} \end{aligned}$$

$$\begin{aligned} 2 \quad & \frac{5}{6} \times \frac{12}{20} \\ & = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} 3 \quad & \frac{4}{10} \times \frac{6}{9} \\ & = \frac{4}{15} \end{aligned}$$

$$\begin{aligned} 4 \quad & \frac{8}{21} \times \frac{14}{4} \\ & = 1\frac{1}{3} \end{aligned}$$

$$\begin{aligned} 5 \quad & \frac{2}{10} \times \frac{20}{8} \\ & = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} 6 \quad & \frac{5}{12} \times \frac{9}{20} \\ & = \frac{3}{16} \end{aligned}$$

$$\begin{aligned} 7 \quad & \frac{4}{20} \times \frac{4}{7} \\ & = \frac{4}{35} \end{aligned}$$

$$\begin{aligned} 8 \quad & \frac{18}{21} \times \frac{7}{4} \\ & = 1\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 9 \quad & \frac{4}{6} \times \frac{3}{5} \\ & = \frac{2}{5} \end{aligned}$$

$$\begin{aligned} 10 \quad & \frac{3}{11} \times \frac{22}{9} \\ & = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} 11 \quad & \frac{8}{12} \times \frac{4}{7} \\ & = \frac{8}{21} \end{aligned}$$

$$\begin{aligned} 12 \quad & \frac{6}{12} \times \frac{18}{30} \\ & = \frac{3}{10} \end{aligned}$$