

Multiplying Fractions

Nov 20-18:34

$$\begin{aligned} & \frac{\cancel{2}}{\cancel{2}} \times \frac{\cancel{1}}{4} \times \frac{\cancel{2}}{\cancel{2}} = \frac{30}{240} \\ & = \frac{1 \times 1 \times 1}{1 \times 4 \times 2} = \frac{1}{8} \end{aligned}$$

Feb 22-2:31 PM

$$\begin{aligned}
 \frac{\cancel{3}^1}{\cancel{4}_1} \times \frac{\cancel{5}^1}{\cancel{6}_2} \times \frac{\cancel{4}^1}{\cancel{5}_1} &= \frac{60}{120} \\
 &= \frac{1 \times 1 \times 1}{1 \times 2 \times 1} \\
 &= \frac{1}{2}
 \end{aligned}$$

Feb 22-2:34 PM

$$\begin{aligned}
 \frac{\cancel{2}^1}{\cancel{8}_2} \times \frac{\cancel{4}^1}{\cancel{5}_1} \times \frac{\cancel{5}^1}{\cancel{9}_3} &= \frac{60}{360} \\
 &= \frac{1 \times 1 \times 1}{2 \times 1 \times 3} \\
 &= \frac{1}{6}
 \end{aligned}$$

Feb 22-2:35 PM

$$\frac{\cancel{7}^1}{\cancel{8}_2} \times \frac{\cancel{4}^1}{\cancel{8}_1} \times \frac{\cancel{8}^1}{\cancel{7}_1} = \frac{140}{280}$$
$$= \frac{1 \times 1 \times 1}{2 \times 1 \times 1}$$
$$= \frac{1}{2}$$

Feb 22-2:38 PM

Extra Questions

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

$$3\frac{1}{3} \times 2\frac{1}{5}$$

$$1\frac{2}{5} \times 3\frac{1}{3}$$

$$2\frac{1}{5} \times 4\frac{3}{8}$$

Feb 22-2:40 PM

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

$$\bullet 1\frac{2}{5} \times 3\frac{1}{3}$$

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

$$= \frac{7}{5} \times \frac{10}{3} = \frac{70}{15} = \frac{14}{3} = 4\frac{2}{3}$$

$$\bullet 3\frac{1}{3} \times 2\frac{1}{5}$$

$$\bullet 2\frac{1}{5} \times 4\frac{3}{8}$$

$$= \frac{10}{3} \times \frac{11}{5} = \frac{110}{15} = \frac{22}{3} = 7\frac{1}{3}$$

$$= \frac{11}{5} \times \frac{35}{8} = \frac{385}{40} = \frac{77}{8} = 9\frac{5}{8}$$

Feb 22-2:40 PM