

Opérations Mixtes (A)

Effectuez chaque opération.

$$\div \frac{72}{12} \times \frac{12}{20} \times \frac{3}{12} \times \frac{18}{12} \times \frac{12}{18} \div \frac{132}{12} \times \frac{17}{12} \times \frac{12}{8} \times \frac{4}{12} \times \frac{8}{12}$$

$$\times \frac{17}{12} \div \frac{132}{12} \div \frac{24}{12} \div \frac{228}{12} \times \frac{12}{8} \div \frac{192}{12} \times \frac{3}{12} \div \frac{108}{12} \div \frac{108}{12} \div \frac{168}{12}$$

$$\times \frac{12}{12} \div \frac{48}{12} \div \frac{48}{12} \div \frac{192}{12} \div \frac{108}{12} \times \frac{12}{6} \times \frac{13}{12} \div \frac{108}{12} \times \frac{12}{18} \times \frac{12}{9}$$

$$\div \frac{96}{12} \times \frac{12}{12} \times \frac{12}{8} \times \frac{12}{4} \div \frac{216}{12} \div \frac{108}{12} \div \frac{108}{12} \times \frac{12}{8} \div \frac{144}{12} \div \frac{132}{12}$$

$$\div \frac{228}{12} \times \frac{14}{12} \div \frac{120}{12} \div \frac{60}{12} \times \frac{12}{9} \times \frac{4}{12} \div \frac{192}{12} \times \frac{20}{12} \div \frac{180}{12} \times \frac{15}{12}$$

$$\times \frac{12}{12} \times \frac{12}{9} \div \frac{240}{12} \times \frac{12}{8} \times \frac{12}{12} \times \frac{17}{12} \div \frac{144}{12} \times \frac{12}{17} \div \frac{96}{12} \times \frac{18}{12}$$

$$\times \frac{12}{16} \div \frac{12}{12} \times \frac{12}{6} \div \frac{48}{12} \div \frac{216}{12} \times \frac{6}{12} \div \frac{120}{12} \times \frac{1}{12} \times \frac{12}{16} \times \frac{12}{10}$$

$$\times \frac{12}{6} \div \frac{168}{12} \times \frac{12}{2} \div \frac{180}{12} \div \frac{144}{12} \div \frac{108}{12} \div \frac{24}{12} \div \frac{240}{12} \div \frac{240}{12} \times \frac{6}{12}$$

$$\div \frac{144}{12} \times \frac{12}{15} \div \frac{96}{12} \times \frac{12}{11} \div \frac{72}{12} \div \frac{12}{12} \times \frac{12}{11} \div \frac{192}{12} \times \frac{11}{12} \div \frac{168}{12}$$

$$\div \frac{96}{12} \div \frac{156}{12} \times \frac{16}{12} \times \frac{12}{15} \div \frac{60}{12} \div \frac{96}{12} \times \frac{18}{12} \div \frac{132}{12} \div \frac{240}{12} \div \frac{240}{12} \times \frac{20}{12}$$

Opérations Mixtes Solutions (A)

Effectuez chaque opération.

$$\begin{array}{cccccccccc} \div \frac{72}{12} & \times \frac{12}{20} & \times \frac{3}{12} & \times \frac{18}{12} & \times \frac{12}{18} & \div \frac{132}{12} & \times \frac{17}{12} & \times \frac{12}{8} & \times \frac{4}{12} & \times \frac{8}{12} \\ \hline 6 & 240 & 36 & 216 & 216 & 11 & 204 & 96 & 48 & 96 \\ \times \frac{17}{12} & \div \frac{132}{12} & \div \frac{24}{12} & \div \frac{228}{12} & \times \frac{12}{8} & \div \frac{192}{12} & \times \frac{3}{12} & \div \frac{108}{12} & \div \frac{108}{12} & \div \frac{168}{12} \\ \hline 204 & 11 & 2 & 19 & 96 & 16 & 36 & 9 & 9 & 14 \\ \times \frac{12}{12} & \div \frac{48}{12} & \div \frac{48}{12} & \div \frac{192}{12} & \div \frac{108}{12} & \times \frac{12}{6} & \times \frac{13}{12} & \div \frac{108}{12} & \times \frac{12}{18} & \times \frac{12}{9} \\ \hline 144 & 4 & 4 & 16 & 9 & 72 & 156 & 9 & 216 & 108 \\ \div \frac{96}{12} & \times \frac{12}{12} & \times \frac{12}{8} & \times \frac{12}{4} & \div \frac{216}{12} & \div \frac{108}{12} & \div \frac{108}{12} & \times \frac{12}{8} & \div \frac{144}{12} & \div \frac{132}{12} \\ \hline 8 & 144 & 96 & 48 & 18 & 9 & 9 & 96 & 12 & 11 \\ \div \frac{228}{12} & \times \frac{14}{12} & \div \frac{120}{12} & \div \frac{60}{12} & \times \frac{12}{9} & \times \frac{4}{12} & \div \frac{192}{12} & \times \frac{20}{12} & \div \frac{180}{12} & \times \frac{15}{12} \\ \hline 19 & 168 & 10 & 5 & 108 & 48 & 16 & 240 & 15 & 180 \\ \times \frac{12}{12} & \times \frac{12}{9} & \div \frac{240}{12} & \times \frac{12}{8} & \times \frac{12}{12} & \times \frac{17}{12} & \div \frac{144}{12} & \times \frac{12}{17} & \div \frac{96}{12} & \times \frac{18}{12} \\ \hline 144 & 108 & 20 & 96 & 144 & 204 & 12 & 204 & 8 & 216 \\ \times \frac{12}{16} & \div \frac{12}{12} & \times \frac{12}{6} & \div \frac{48}{12} & \div \frac{216}{12} & \times \frac{6}{12} & \div \frac{120}{12} & \times \frac{1}{12} & \times \frac{12}{16} & \times \frac{12}{10} \\ \hline 192 & 1 & 72 & 4 & 18 & 72 & 10 & 12 & 192 & 120 \\ \times \frac{12}{6} & \div \frac{168}{12} & \times \frac{12}{2} & \div \frac{180}{12} & \div \frac{144}{12} & \div \frac{108}{12} & \div \frac{24}{12} & \div \frac{240}{12} & \div \frac{240}{12} & \times \frac{6}{12} \\ \hline 72 & 14 & 24 & 15 & 12 & 9 & 2 & 20 & 20 & 72 \\ \div \frac{144}{12} & \times \frac{12}{15} & \div \frac{96}{12} & \times \frac{12}{8} & \div \frac{72}{12} & \div \frac{12}{12} & \times \frac{12}{11} & \div \frac{192}{12} & \times \frac{11}{12} & \div \frac{168}{12} \\ \hline 12 & 180 & 8 & 132 & 6 & 1 & 132 & 16 & 132 & 14 \\ \div \frac{96}{12} & \div \frac{156}{12} & \times \frac{16}{12} & \times \frac{12}{15} & \div \frac{60}{12} & \div \frac{96}{12} & \times \frac{18}{12} & \div \frac{132}{12} & \div \frac{240}{12} & \times \frac{20}{12} \\ \hline 8 & 13 & 192 & 180 & 5 & 8 & 216 & 11 & 20 & 240 \end{array}$$

Opérations Mixtes (B)

Effectuez chaque opération.

$$\times \frac{13}{12} \div \frac{240}{12} \times \frac{12}{14} \times \frac{12}{8} \div \frac{120}{12} \div \frac{132}{12} \div \frac{204}{12} \times \frac{9}{12} \times \frac{20}{12} \div \frac{84}{12}$$

$$\times \frac{8}{12} \times \frac{12}{3} \times \frac{12}{3} \div \frac{96}{12} \times \frac{12}{2} \times \frac{19}{12} \div \frac{180}{12} \div \frac{156}{12} \times \frac{12}{9} \times \frac{12}{20}$$

$$\div \frac{120}{12} \times \frac{7}{12} \div \frac{48}{12} \times \frac{15}{12} \div \frac{108}{12} \div \frac{84}{12} \div \frac{48}{12} \times \frac{15}{12} \times \frac{14}{12} \div \frac{12}{12}$$

$$\div \frac{204}{12} \times \frac{12}{6} \div \frac{12}{12} \times \frac{20}{12} \times \frac{7}{12} \times \frac{12}{8} \div \frac{156}{12} \times \frac{12}{12} \div \frac{144}{12} \div \frac{168}{12}$$

$$\times \frac{12}{3} \times \frac{17}{12} \times \frac{2}{12} \times \frac{15}{12} \times \frac{14}{12} \times \frac{4}{12} \div \frac{96}{12} \div \frac{240}{12} \div \frac{108}{12} \times \frac{5}{12}$$

$$\times \frac{20}{12} \times \frac{5}{12} \times \frac{12}{20} \div \frac{168}{12} \times \frac{12}{4} \times \frac{18}{12} \div \frac{240}{12} \times \frac{11}{12} \times \frac{4}{12} \div \frac{240}{12}$$

$$\div \frac{120}{12} \div \frac{240}{12} \div \frac{168}{12} \times \frac{12}{17} \div \frac{108}{12} \div \frac{192}{12} \div \frac{132}{12} \times \frac{18}{12} \times \frac{5}{12} \times \frac{12}{6}$$

$$\times \frac{4}{12} \times \frac{12}{3} \times \frac{3}{12} \times \frac{17}{12} \div \frac{96}{12} \div \frac{96}{12} \times \frac{12}{18} \div \frac{240}{12} \div \frac{72}{12} \div \frac{60}{12}$$

$$\times \frac{15}{12} \div \frac{120}{12} \times \frac{11}{12} \div \frac{216}{12} \div \frac{84}{12} \div \frac{12}{12} \times \frac{6}{12} \div \frac{216}{12} \times \frac{14}{12} \times \frac{12}{14}$$

$$\times \frac{20}{12} \div \frac{12}{12} \times \frac{11}{12} \div \frac{108}{12} \times \frac{1}{12} \div \frac{204}{12} \times \frac{12}{2} \div \frac{132}{12} \times \frac{12}{4} \div \frac{132}{12}$$

Opérations Mixtes Solutions (B)

Effectuez chaque opération.

$$\begin{array}{cccccccccc}
 \times \frac{13}{12} & \div \frac{240}{12} & \times \frac{12}{14} & \times \frac{12}{8} & \div \frac{120}{12} & \div \frac{132}{12} & \div \frac{204}{12} & \times \frac{9}{12} & \times \frac{20}{12} & \div \frac{84}{12} \\
 \times \frac{156}{20} & \div \frac{168}{20} & \times \frac{96}{168} & \times \frac{10}{96} & \div \frac{11}{10} & \div \frac{17}{11} & \div \frac{108}{17} & \times \frac{240}{108} & \div \frac{7}{240} & \div \frac{12}{7} \\
 \\
 \times \frac{8}{12} & \times \frac{12}{3} & \times \frac{12}{3} & \div \frac{96}{12} & \times \frac{12}{8} & \times \frac{19}{24} & \div \frac{180}{228} & \div \frac{156}{15} & \times \frac{12}{13} & \times \frac{12}{9} \times \frac{20}{240} \\
 \times \frac{96}{36} & \times \frac{36}{36} & & \div \frac{8}{24} & \times \frac{228}{15} & \div \frac{15}{13} & \div \frac{108}{13} & \times \frac{240}{108} & & \\
 \\
 \div \frac{120}{12} & \times \frac{7}{12} & \div \frac{48}{12} & \times \frac{15}{12} & \div \frac{108}{12} & \div \frac{84}{12} & \div \frac{48}{12} & \times \frac{15}{180} & \times \frac{14}{168} & \times \frac{12}{144} \\
 \div \frac{10}{84} & \div \frac{84}{4} & & \div \frac{180}{9} & \div \frac{7}{4} & \div \frac{180}{180} & \div \frac{168}{168} & & \\
 \\
 \div \frac{204}{12} & \times \frac{12}{6} & \div \frac{12}{12} & \times \frac{20}{240} & \times \frac{7}{84} & \times \frac{12}{96} & \div \frac{156}{13} & \times \frac{12}{144} & \div \frac{144}{12} & \div \frac{168}{14} \\
 \div \frac{17}{72} & \times \frac{72}{1} & & \times \frac{12}{240} & \times \frac{8}{96} & \div \frac{12}{13} & \div \frac{12}{144} & \div \frac{12}{12} & & \\
 \\
 \times \frac{12}{3} & \times \frac{17}{204} & \times \frac{2}{12} & \times \frac{15}{180} & \times \frac{14}{168} & \times \frac{4}{48} & \div \frac{96}{8} & \div \frac{240}{20} & \div \frac{108}{9} & \times \frac{5}{60} \\
 \times \frac{36}{204} & \times \frac{204}{24} & & \times \frac{12}{180} & \times \frac{12}{168} & \div \frac{12}{48} & \div \frac{12}{8} & \div \frac{12}{20} & \div \frac{12}{9} & \times \frac{12}{60} \\
 \\
 \times \frac{20}{12} & \times \frac{5}{60} & \times \frac{12}{240} & \div \frac{168}{14} & \times \frac{12}{48} & \times \frac{18}{216} & \div \frac{240}{20} & \div \frac{11}{132} & \times \frac{4}{48} & \div \frac{240}{20} \\
 \times \frac{12}{240} & \times \frac{12}{240} & & \div \frac{12}{14} & \times \frac{4}{48} & \div \frac{12}{20} & \div \frac{12}{132} & \times \frac{12}{48} & & \\
 \\
 \div \frac{120}{12} & \div \frac{240}{20} & \div \frac{168}{14} & \div \frac{12}{17} & \div \frac{108}{9} & \div \frac{192}{16} & \div \frac{132}{11} & \div \frac{18}{216} & \div \frac{5}{60} & \div \frac{12}{72} \\
 \div \frac{10}{20} & \div \frac{20}{14} & \div \frac{14}{204} & & \div \frac{12}{9} & \div \frac{12}{16} & \div \frac{12}{11} & \div \frac{12}{216} & \div \frac{12}{60} & \div \frac{6}{72} \\
 \\
 \times \frac{4}{12} & \times \frac{12}{3} & \times \frac{3}{12} & \times \frac{17}{204} & \div \frac{96}{8} & \div \frac{96}{8} & \div \frac{12}{216} & \div \frac{240}{20} & \div \frac{72}{20} & \div \frac{60}{6} \\
 \times \frac{12}{48} & \times \frac{36}{36} & \times \frac{36}{36} & \times \frac{204}{204} & \div \frac{12}{8} & \div \frac{12}{8} & \div \frac{18}{216} & \div \frac{12}{20} & \div \frac{12}{6} & \div \frac{12}{5} \\
 \\
 \times \frac{15}{12} & \div \frac{120}{10} & \times \frac{11}{132} & \div \frac{216}{18} & \div \frac{84}{7} & \div \frac{12}{1} & \div \frac{6}{72} & \div \frac{216}{18} & \div \frac{14}{168} & \div \frac{12}{168} \\
 \times \frac{12}{180} & \div \frac{10}{132} & & \div \frac{12}{18} & \div \frac{12}{7} & \div \frac{12}{1} & \div \frac{12}{72} & \div \frac{12}{18} & \div \frac{12}{168} & \div \frac{14}{168} \\
 \\
 \times \frac{20}{12} & \div \frac{12}{1} & \times \frac{11}{132} & \div \frac{108}{9} & \times \frac{1}{12} & \div \frac{204}{17} & \div \frac{12}{24} & \div \frac{132}{24} & \div \frac{12}{11} & \div \frac{4}{48} \\
 \times \frac{12}{240} & \div \frac{12}{1} & & \div \frac{12}{9} & \times \frac{12}{12} & \div \frac{12}{17} & \div \frac{12}{24} & \div \frac{12}{11} & \div \frac{4}{48} & \div \frac{12}{11}
 \end{array}$$

Opérations Mixtes (C)

Effectuez chaque opération.

$$\times \frac{12}{20} \times \frac{12}{8} \times \frac{1}{12} \div \frac{144}{12} \times \frac{15}{12} \times \frac{6}{12} \div \frac{84}{12} \times \frac{13}{12} \div \frac{168}{12} \div \frac{72}{12}$$

$$\div \frac{84}{12} \div \frac{72}{12} \div \frac{60}{12} \times \frac{12}{17} \div \frac{216}{12} \times \frac{19}{12} \times \frac{5}{12} \div \frac{132}{12} \div \frac{72}{12} \times \frac{20}{12}$$

$$\div \frac{12}{12} \times \frac{19}{12} \div \frac{228}{12} \div \frac{48}{12} \div \frac{180}{12} \times \frac{1}{12} \times \frac{4}{12} \div \frac{168}{12} \div \frac{204}{12} \times \frac{12}{18}$$

$$\times \frac{6}{12} \times \frac{1}{12} \times \frac{6}{12} \times \frac{8}{12} \div \frac{156}{12} \div \frac{84}{12} \div \frac{36}{12} \div \frac{240}{12} \times \frac{9}{12} \div \frac{168}{12}$$

$$\times \frac{5}{12} \times \frac{15}{12} \times \frac{12}{19} \times \frac{12}{9} \times \frac{12}{8} \times \frac{15}{12} \times \frac{12}{20} \div \frac{36}{12} \div \frac{132}{12} \div \frac{240}{12}$$

$$\times \frac{12}{3} \times \frac{6}{12} \div \frac{216}{12} \times \frac{12}{19} \div \frac{144}{12} \times \frac{12}{1} \times \frac{11}{12} \times \frac{4}{12} \times \frac{8}{12} \div \frac{192}{12}$$

$$\div \frac{120}{12} \times \frac{12}{1} \div \frac{228}{12} \div \frac{24}{12} \times \frac{5}{12} \div \frac{24}{12} \times \frac{5}{12} \div \frac{132}{12} \div \frac{180}{12} \times \frac{17}{12}$$

$$\div \frac{36}{12} \times \frac{19}{12} \div \frac{216}{12} \div \frac{216}{12} \div \frac{96}{12} \div \frac{216}{12} \div \frac{168}{12} \times \frac{12}{15} \div \frac{144}{12} \div \frac{96}{12}$$

$$\times \frac{12}{2} \times \frac{16}{12} \times \frac{12}{11} \div \frac{132}{12} \times \frac{12}{5} \times \frac{9}{12} \div \frac{156}{12} \times \frac{12}{19} \div \frac{72}{12} \div \frac{132}{12}$$

$$\times \frac{4}{12} \times \frac{12}{1} \div \frac{228}{12} \div \frac{168}{12} \div \frac{168}{12} \div \frac{180}{12} \times \frac{12}{12} \div \frac{228}{12} \times \frac{12}{20} \div \frac{108}{12}$$

Opérations Mixtes Solutions (C)

Effectuez chaque opération.

$$\begin{array}{cccccccccc} \times \frac{12}{20} & \times \frac{12}{8} & \times \frac{1}{12} & \div \frac{144}{12} & \times \frac{15}{12} & \times \frac{6}{12} & \div \frac{84}{12} & \times \frac{13}{12} & \div \frac{168}{12} & \div \frac{72}{12} \\ \textcolor{red}{240} & \textcolor{red}{96} & \textcolor{red}{12} & \textcolor{red}{12} & \textcolor{red}{180} & \textcolor{red}{72} & \textcolor{red}{7} & \textcolor{red}{156} & \textcolor{red}{14} & \textcolor{red}{6} \\ \div \frac{84}{7} & \div \frac{72}{6} & \div \frac{60}{5} & \times \frac{12}{17} & \div \frac{216}{12} & \times \frac{19}{12} & \times \frac{5}{12} & \div \frac{132}{12} & \div \frac{72}{12} & \times \frac{20}{12} \\ \textcolor{red}{204} & \textcolor{red}{18} & \textcolor{red}{228} & \textcolor{red}{18} & \textcolor{red}{228} & \textcolor{red}{60} & \textcolor{red}{11} & \textcolor{red}{12} & \textcolor{red}{6} & \textcolor{red}{240} \\ \div \frac{12}{1} & \times \frac{19}{228} & \div \frac{228}{19} & \div \frac{48}{4} & \div \frac{180}{12} & \times \frac{1}{12} & \times \frac{4}{12} & \div \frac{168}{12} & \div \frac{204}{12} & \times \frac{12}{18} \\ \textcolor{red}{228} & \textcolor{red}{19} & \textcolor{red}{4} & \textcolor{red}{15} & \textcolor{red}{12} & \textcolor{red}{48} & \textcolor{red}{14} & \textcolor{red}{17} & \textcolor{red}{216} & \textcolor{red}{12} \\ \times \frac{6}{12} & \times \frac{1}{12} & \times \frac{6}{72} & \times \frac{8}{96} & \div \frac{156}{12} & \div \frac{84}{12} & \div \frac{36}{12} & \div \frac{240}{12} & \times \frac{9}{12} & \div \frac{168}{12} \\ \textcolor{red}{72} & \textcolor{red}{12} & \textcolor{red}{72} & \textcolor{red}{96} & \textcolor{red}{13} & \textcolor{red}{7} & \textcolor{red}{3} & \textcolor{red}{20} & \textcolor{red}{108} & \textcolor{red}{14} \\ \times \frac{5}{12} & \times \frac{15}{12} & \times \frac{12}{19} & \times \frac{12}{9} & \times \frac{12}{96} & \times \frac{15}{12} & \times \frac{12}{20} & \div \frac{36}{12} & \div \frac{132}{12} & \div \frac{240}{12} \\ \textcolor{red}{60} & \textcolor{red}{180} & \textcolor{red}{228} & \textcolor{red}{108} & \textcolor{red}{96} & \textcolor{red}{180} & \textcolor{red}{240} & \textcolor{red}{3} & \textcolor{red}{11} & \textcolor{red}{20} \\ \times \frac{12}{3} & \times \frac{6}{12} & \div \frac{216}{12} & \times \frac{12}{19} & \div \frac{144}{12} & \times \frac{12}{12} & \times \frac{11}{12} & \times \frac{4}{12} & \times \frac{8}{12} & \div \frac{192}{12} \\ \textcolor{red}{36} & \textcolor{red}{72} & \textcolor{red}{18} & \textcolor{red}{228} & \textcolor{red}{12} & \textcolor{red}{12} & \textcolor{red}{132} & \textcolor{red}{48} & \textcolor{red}{96} & \textcolor{red}{16} \\ \div \frac{120}{10} & \times \frac{12}{12} & \div \frac{228}{19} & \div \frac{24}{2} & \times \frac{5}{60} & \div \frac{24}{12} & \times \frac{5}{60} & \div \frac{132}{12} & \div \frac{180}{12} & \times \frac{17}{12} \\ \textcolor{red}{12} & \textcolor{red}{12} & \textcolor{red}{19} & \textcolor{red}{2} & \textcolor{red}{60} & \textcolor{red}{2} & \textcolor{red}{60} & \textcolor{red}{11} & \textcolor{red}{15} & \textcolor{red}{204} \\ \div \frac{36}{3} & \times \frac{19}{228} & \div \frac{216}{18} & \div \frac{216}{18} & \div \frac{96}{8} & \div \frac{216}{12} & \div \frac{168}{12} & \times \frac{12}{15} & \div \frac{144}{12} & \div \frac{96}{12} \\ \textcolor{red}{12} & \textcolor{red}{228} & \textcolor{red}{18} & \textcolor{red}{18} & \textcolor{red}{8} & \textcolor{red}{18} & \textcolor{red}{14} & \textcolor{red}{180} & \textcolor{red}{12} & \textcolor{red}{8} \\ \times \frac{12}{2} & \times \frac{16}{192} & \times \frac{12}{132} & \div \frac{132}{11} & \times \frac{12}{60} & \times \frac{9}{108} & \div \frac{156}{12} & \times \frac{12}{13} & \div \frac{72}{19} & \div \frac{132}{12} \\ \textcolor{red}{24} & \textcolor{red}{192} & \textcolor{red}{132} & \textcolor{red}{11} & \textcolor{red}{60} & \textcolor{red}{108} & \textcolor{red}{13} & \textcolor{red}{228} & \textcolor{red}{6} & \textcolor{red}{11} \\ \times \frac{4}{12} & \times \frac{12}{12} & \div \frac{228}{19} & \div \frac{168}{14} & \div \frac{168}{14} & \div \frac{180}{15} & \times \frac{12}{144} & \div \frac{228}{19} & \times \frac{12}{20} & \div \frac{108}{240} \\ \textcolor{red}{48} & \textcolor{red}{12} & \textcolor{red}{19} & \textcolor{red}{14} & \textcolor{red}{14} & \textcolor{red}{15} & \textcolor{red}{144} & \textcolor{red}{19} & \textcolor{red}{240} & \textcolor{red}{9} \end{array}$$

Opérations Mixtes (D)

Effectuez chaque opération.

$$\times \frac{15}{12} \times \frac{12}{11} \times \frac{5}{12} \div \frac{192}{12} \div \frac{156}{12} \times \frac{5}{12} \times \frac{15}{12} \times \frac{7}{12} \div \frac{228}{12} \times \frac{18}{12}$$

$$\times \frac{4}{12} \div \frac{60}{12} \times \frac{8}{12} \div \frac{12}{12} \div \frac{132}{12} \div \frac{48}{12} \div \frac{120}{12} \div \frac{156}{12} \times \frac{12}{11} \times \frac{12}{1} \div$$

$$\div \frac{228}{12} \times \frac{12}{14} \times \frac{12}{10} \times \frac{12}{7} \div \frac{180}{12} \times \frac{18}{12} \div \frac{120}{12} \times \frac{8}{12} \div \frac{84}{12} \div \frac{144}{12}$$

$$\div \frac{228}{12} \times \frac{14}{12} \div \frac{132}{12} \div \frac{84}{12} \div \frac{72}{12} \div \frac{216}{12} \div \frac{12}{12} \div \frac{240}{12} \div \frac{144}{12} \times \frac{12}{8} \div$$

$$\times \frac{14}{12} \div \frac{84}{12} \times \frac{6}{12} \div \frac{240}{12} \div \frac{108}{12} \times \frac{8}{12} \div \frac{12}{12} \times \frac{12}{1} \times \frac{12}{5} \times \frac{12}{14} \div$$

$$\div \frac{132}{12} \times \frac{12}{4} \times \frac{12}{2} \div \frac{216}{12} \div \frac{180}{12} \div \frac{228}{12} \times \frac{12}{12} \times \frac{12}{3} \div \frac{60}{12} \times \frac{14}{12} \div$$

$$\times \frac{12}{15} \times \frac{6}{12} \times \frac{8}{12} \times \frac{12}{12} \times \frac{12}{17} \div \frac{72}{12} \times \frac{5}{12} \div \frac{132}{12} \times \frac{19}{12} \div \frac{72}{12} \div$$

$$\div \frac{180}{12} \times \frac{12}{19} \div \frac{132}{12} \div \frac{36}{12} \div \frac{204}{12} \div \frac{180}{12} \times \frac{13}{12} \times \frac{12}{6} \div \frac{132}{12} \div \frac{24}{12} \div$$

$$\times \frac{4}{12} \times \frac{12}{7} \times \frac{12}{17} \div \frac{180}{12} \div \frac{96}{12} \times \frac{1}{12} \times \frac{12}{12} \times \frac{1}{12} \div \frac{228}{12} \times \frac{12}{9} \div$$

$$\times \frac{13}{12} \div \frac{168}{12} \times \frac{2}{12} \div \frac{84}{12} \times \frac{9}{12} \div \frac{60}{12} \times \frac{12}{4} \times \frac{14}{12} \div \frac{36}{12} \div \frac{132}{12} \div$$

Opérations Mixtes Solutions (D)

Effectuez chaque opération.

$$\begin{array}{cccccccccc}
 \times \frac{15}{12} & \times \frac{12}{11} & \times \frac{5}{12} & \div \frac{192}{12} & \div \frac{156}{12} & \times \frac{5}{12} & \times \frac{15}{12} & \times \frac{7}{12} & \div \frac{228}{12} & \times \frac{18}{12} \\
 \times \frac{180}{132} & \times \frac{11}{12} & \times \frac{60}{60} & \div \frac{16}{16} & \div \frac{13}{12} & \times \frac{60}{60} & \times \frac{180}{180} & \times \frac{84}{84} & \div \frac{19}{19} & \times \frac{216}{216} \\
 \\
 \times \frac{4}{12} & \div \frac{60}{12} & \times \frac{8}{12} & \div \frac{12}{12} & \div \frac{132}{12} & \div \frac{48}{12} & \div \frac{120}{12} & \div \frac{156}{12} & \times \frac{12}{11} & \times \frac{12}{12} \\
 \times \frac{48}{48} & \div \frac{5}{5} & \times \frac{96}{96} & \div \frac{1}{1} & \div \frac{11}{12} & \div \frac{4}{4} & \div \frac{10}{10} & \div \frac{13}{12} & \times \frac{132}{132} & \times \frac{1}{12} \\
 \\
 \div \frac{228}{12} & \times \frac{12}{14} & \times \frac{12}{10} & \times \frac{12}{7} & \div \frac{180}{12} & \times \frac{18}{12} & \div \frac{120}{12} & \times \frac{8}{12} & \div \frac{84}{12} & \div \frac{144}{12} \\
 \div \frac{19}{19} & \times \frac{168}{168} & \times \frac{120}{120} & \times \frac{84}{84} & \div \frac{15}{15} & \times \frac{216}{216} & \div \frac{10}{10} & \times \frac{96}{96} & \div \frac{7}{7} & \div \frac{12}{12} \\
 \\
 \div \frac{228}{12} & \times \frac{14}{12} & \div \frac{132}{12} & \div \frac{84}{12} & \div \frac{72}{12} & \div \frac{216}{12} & \div \frac{12}{12} & \div \frac{240}{12} & \div \frac{144}{12} & \times \frac{12}{8} \\
 \div \frac{19}{19} & \times \frac{168}{168} & \div \frac{11}{11} & \div \frac{7}{7} & \div \frac{6}{6} & \div \frac{18}{18} & \div \frac{1}{1} & \div \frac{20}{20} & \div \frac{12}{12} & \times \frac{8}{96} \\
 \\
 \times \frac{14}{12} & \div \frac{84}{12} & \times \frac{6}{12} & \div \frac{240}{12} & \div \frac{108}{12} & \times \frac{8}{12} & \div \frac{12}{12} & \times \frac{12}{1} & \times \frac{12}{60} & \times \frac{12}{168} \\
 \times \frac{168}{168} & \div \frac{7}{7} & \times \frac{72}{72} & \div \frac{20}{20} & \div \frac{9}{9} & \times \frac{96}{96} & \div \frac{1}{1} & \times \frac{12}{12} & \times \frac{5}{60} & \times \frac{14}{168} \\
 \\
 \div \frac{132}{12} & \times \frac{12}{4} & \times \frac{12}{2} & \div \frac{216}{12} & \div \frac{180}{12} & \div \frac{228}{12} & \times \frac{12}{12} & \times \frac{12}{3} & \div \frac{60}{12} & \times \frac{14}{168} \\
 \div \frac{11}{11} & \times \frac{48}{48} & \times \frac{24}{24} & \div \frac{18}{18} & \div \frac{15}{15} & \div \frac{19}{19} & \times \frac{144}{144} & \times \frac{36}{36} & \div \frac{5}{5} & \times \frac{12}{168} \\
 \\
 \times \frac{12}{15} & \times \frac{6}{12} & \times \frac{8}{12} & \times \frac{12}{12} & \times \frac{12}{17} & \div \frac{72}{12} & \times \frac{5}{12} & \div \frac{132}{12} & \times \frac{19}{12} & \div \frac{72}{12} \\
 \times \frac{180}{180} & \times \frac{72}{72} & \times \frac{96}{96} & \times \frac{144}{144} & \times \frac{204}{204} & \div \frac{6}{6} & \times \frac{60}{60} & \div \frac{11}{11} & \times \frac{228}{228} & \div \frac{6}{6} \\
 \\
 \div \frac{180}{12} & \times \frac{12}{19} & \div \frac{132}{12} & \div \frac{36}{12} & \div \frac{204}{12} & \div \frac{180}{12} & \times \frac{13}{12} & \times \frac{12}{6} & \div \frac{132}{12} & \div \frac{24}{12} \\
 \div \frac{15}{15} & \times \frac{228}{228} & \div \frac{11}{11} & \div \frac{3}{3} & \div \frac{17}{17} & \div \frac{15}{15} & \times \frac{156}{156} & \div \frac{72}{72} & \div \frac{11}{11} & \div \frac{2}{2} \\
 \\
 \times \frac{4}{12} & \times \frac{12}{7} & \times \frac{12}{17} & \div \frac{180}{12} & \div \frac{96}{12} & \times \frac{1}{12} & \times \frac{12}{12} & \times \frac{1}{12} & \div \frac{228}{12} & \times \frac{12}{108} \\
 \times \frac{48}{48} & \times \frac{84}{84} & \times \frac{204}{204} & \div \frac{15}{15} & \div \frac{8}{8} & \times \frac{12}{12} & \times \frac{144}{144} & \div \frac{12}{12} & \div \frac{19}{19} & \times \frac{9}{108} \\
 \\
 \times \frac{13}{12} & \div \frac{168}{12} & \times \frac{2}{12} & \div \frac{84}{12} & \times \frac{9}{12} & \div \frac{60}{12} & \times \frac{12}{4} & \times \frac{14}{48} & \div \frac{36}{12} & \div \frac{132}{12} \\
 \times \frac{156}{156} & \div \frac{14}{14} & \times \frac{24}{24} & \div \frac{7}{7} & \times \frac{108}{108} & \div \frac{5}{5} & \times \frac{48}{48} & \div \frac{168}{168} & \div \frac{3}{3} & \div \frac{11}{11}
 \end{array}$$

Opérations Mixtes (E)

Effectuez chaque opération.

$$\times \frac{12}{15} \div \frac{36}{12} \div \frac{12}{12} \times \frac{12}{15} \div \frac{240}{12} \div \frac{144}{12} \div \frac{36}{12} \times \frac{12}{12} \times \frac{12}{3} \div \frac{204}{12}$$

$$\div \frac{168}{12} \times \frac{10}{12} \times \frac{12}{18} \div \frac{168}{12} \div \frac{72}{12} \div \frac{60}{12} \div \frac{36}{12} \div \frac{144}{12} \times \frac{12}{12} \div \frac{72}{12}$$

$$\div \frac{228}{12} \times \frac{12}{8} \div \frac{192}{12} \times \frac{7}{12} \div \frac{12}{12} \div \frac{240}{12} \div \frac{84}{12} \div \frac{36}{12} \div \frac{60}{12} \div \frac{60}{12}$$

$$\times \frac{12}{20} \times \frac{15}{12} \times \frac{12}{1} \div \frac{120}{12} \div \frac{36}{12} \times \frac{1}{12} \times \frac{18}{12} \times \frac{9}{12} \times \frac{16}{12} \times \frac{10}{12}$$

$$\times \frac{12}{4} \div \frac{24}{12} \times \frac{4}{12} \div \frac{168}{12} \times \frac{12}{8} \times \frac{12}{11} \div \frac{216}{12} \times \frac{12}{15} \div \frac{48}{12} \times \frac{12}{17}$$

$$\times \frac{2}{12} \div \frac{12}{12} \times \frac{12}{15} \times \frac{12}{4} \times \frac{12}{3} \times \frac{12}{12} \div \frac{108}{12} \div \frac{192}{12} \div \frac{240}{12} \div \frac{60}{12}$$

$$\div \frac{180}{12} \div \frac{60}{12} \div \frac{48}{12} \div \frac{120}{12} \div \frac{72}{12} \times \frac{12}{19} \div \frac{156}{12} \div \frac{180}{12} \times \frac{12}{16} \times \frac{2}{12}$$

$$\div \frac{108}{12} \times \frac{1}{12} \times \frac{7}{12} \times \frac{12}{10} \div \frac{216}{12} \div \frac{120}{12} \times \frac{11}{12} \times \frac{12}{17} \times \frac{12}{14} \times \frac{12}{10}$$

$$\div \frac{108}{12} \div \frac{144}{12} \div \frac{96}{12} \div \frac{216}{12} \times \frac{3}{12} \div \frac{156}{12} \times \frac{12}{17} \times \frac{17}{12} \times \frac{11}{12} \div \frac{204}{12}$$

$$\div \frac{108}{12} \times \frac{12}{18} \times \frac{12}{6} \times \frac{12}{4} \div \frac{96}{12} \div \frac{192}{12} \times \frac{13}{12} \div \frac{36}{12} \times \frac{12}{10} \div \frac{108}{12}$$

Opérations Mixtes Solutions (E)

Effectuez chaque opération.

$$\begin{array}{r}
 \times \frac{12}{15} \div \frac{36}{12} \div \frac{12}{12} \times \frac{12}{15} \div \frac{240}{12} \div \frac{144}{12} \div \frac{36}{12} \times \frac{12}{12} \times \frac{12}{3} \div \frac{204}{12} \\
 \frac{180}{180} \quad \frac{3}{3} \quad \frac{1}{1} \quad \frac{180}{180} \quad \frac{20}{20} \quad \frac{12}{12} \quad \frac{3}{3} \quad \frac{144}{144} \quad \frac{36}{36} \quad \frac{12}{12} \quad \frac{3}{3} \quad \frac{204}{17} \\
 \div \frac{168}{14} \times \frac{10}{12} \times \frac{12}{18} \div \frac{168}{12} \div \frac{72}{12} \div \frac{60}{12} \div \frac{36}{12} \div \frac{144}{12} \times \frac{12}{12} \div \frac{72}{12} \\
 \frac{120}{14} \quad \frac{120}{120} \quad \frac{216}{216} \quad \frac{14}{14} \quad \frac{6}{6} \quad \frac{5}{5} \quad \frac{3}{3} \quad \frac{12}{12} \quad \frac{144}{144} \quad \frac{12}{12} \quad \frac{72}{6} \\
 \div \frac{228}{19} \times \frac{12}{8} \div \frac{192}{12} \times \frac{7}{12} \div \frac{12}{12} \div \frac{240}{12} \div \frac{84}{12} \div \frac{36}{12} \div \frac{60}{12} \div \frac{60}{12} \\
 \frac{96}{19} \quad \frac{96}{96} \quad \frac{16}{16} \quad \frac{84}{84} \quad \frac{1}{1} \quad \frac{20}{20} \quad \frac{7}{7} \quad \frac{3}{3} \quad \frac{12}{12} \quad \frac{5}{5} \quad \frac{60}{5} \\
 \times \frac{12}{20} \times \frac{15}{12} \times \frac{12}{1} \div \frac{120}{12} \div \frac{36}{12} \times \frac{1}{12} \times \frac{18}{12} \times \frac{9}{12} \times \frac{16}{12} \times \frac{10}{12} \\
 \frac{240}{240} \quad \frac{180}{180} \quad \frac{12}{12} \quad \frac{10}{10} \quad \frac{3}{3} \quad \frac{12}{12} \quad \frac{216}{216} \quad \frac{108}{108} \quad \frac{192}{192} \quad \frac{12}{120} \\
 \times \frac{12}{4} \div \frac{24}{12} \times \frac{4}{12} \div \frac{168}{12} \times \frac{12}{8} \times \frac{12}{11} \div \frac{216}{12} \times \frac{12}{15} \div \frac{48}{12} \times \frac{12}{17} \\
 \frac{48}{48} \quad \frac{2}{2} \quad \frac{48}{48} \quad \frac{14}{14} \quad \frac{96}{96} \quad \frac{132}{132} \quad \frac{18}{18} \quad \frac{180}{180} \quad \frac{4}{4} \quad \frac{12}{204} \\
 \times \frac{2}{12} \div \frac{12}{12} \times \frac{12}{15} \times \frac{12}{4} \times \frac{12}{3} \times \frac{12}{12} \div \frac{108}{12} \div \frac{192}{12} \div \frac{240}{12} \div \frac{60}{12} \\
 \frac{24}{24} \quad \frac{1}{1} \quad \frac{180}{180} \quad \frac{48}{48} \quad \frac{36}{36} \quad \frac{144}{144} \quad \frac{9}{9} \quad \frac{16}{16} \quad \frac{20}{20} \quad \frac{5}{5} \\
 \div \frac{180}{15} \div \frac{60}{5} \div \frac{48}{4} \div \frac{120}{10} \div \frac{72}{6} \times \frac{12}{19} \div \frac{156}{12} \div \frac{180}{12} \times \frac{12}{16} \times \frac{2}{12} \\
 \frac{12}{12} \quad \frac{12}{12} \quad \frac{12}{4} \quad \frac{12}{10} \quad \frac{12}{6} \quad \frac{228}{228} \quad \frac{13}{13} \quad \frac{15}{15} \quad \frac{192}{192} \quad \frac{2}{24} \\
 \div \frac{108}{9} \times \frac{1}{12} \times \frac{7}{12} \times \frac{12}{10} \div \frac{216}{12} \div \frac{120}{12} \times \frac{11}{12} \times \frac{12}{17} \times \frac{12}{14} \times \frac{12}{10} \\
 \frac{108}{9} \quad \frac{12}{12} \quad \frac{84}{84} \quad \frac{120}{120} \quad \frac{18}{18} \quad \frac{10}{10} \quad \frac{132}{132} \quad \frac{204}{204} \quad \frac{14}{168} \quad \frac{12}{120} \\
 \div \frac{108}{9} \div \frac{144}{12} \div \frac{96}{8} \div \frac{216}{18} \times \frac{3}{12} \div \frac{156}{12} \times \frac{12}{17} \times \frac{17}{204} \times \frac{12}{132} \div \frac{11}{12} \\
 \frac{108}{9} \quad \frac{12}{12} \quad \frac{12}{8} \quad \frac{12}{18} \quad \frac{12}{36} \quad \frac{13}{13} \quad \frac{204}{204} \quad \frac{12}{132} \quad \frac{11}{11} \quad \frac{204}{17} \\
 \div \frac{108}{9} \times \frac{12}{216} \times \frac{12}{72} \times \frac{12}{48} \div \frac{96}{12} \div \frac{192}{16} \times \frac{13}{12} \div \frac{36}{156} \div \frac{12}{3} \times \frac{12}{10} \div \frac{108}{12} \\
 \frac{108}{9} \quad \frac{12}{216} \quad \frac{12}{72} \quad \frac{12}{48} \quad \frac{8}{8} \quad \frac{12}{16} \quad \frac{156}{156} \quad \frac{13}{13} \quad \frac{36}{3} \quad \frac{12}{120} \quad \frac{108}{9}
 \end{array}$$

Opérations Mixtes (F)

Effectuez chaque opération.

$$\times \frac{5}{12} \div \frac{72}{12} \div \frac{24}{12} \times \frac{15}{12} \div \frac{228}{12} \times \frac{13}{12} \div \frac{192}{12} \times \frac{12}{6} \div \frac{204}{12} \div \frac{96}{12}$$

$$\div \frac{156}{12} \div \frac{144}{12} \times \frac{12}{12} \times \frac{12}{11} \div \frac{96}{12} \div \frac{192}{12} \times \frac{8}{12} \div \frac{72}{12} \div \frac{216}{12} \div \frac{240}{12}$$

$$\div \frac{144}{12} \times \frac{12}{17} \div \frac{144}{12} \times \frac{12}{13} \div \frac{156}{12} \div \frac{204}{12} \times \frac{5}{12} \div \frac{156}{12} \times \frac{12}{4} \times \frac{17}{12}$$

$$\div \frac{156}{12} \times \frac{12}{8} \div \frac{180}{12} \div \frac{168}{12} \times \frac{14}{12} \times \frac{12}{13} \times \frac{12}{12} \div \frac{36}{12} \div \frac{144}{12} \times \frac{12}{5}$$

$$\times \frac{10}{12} \div \frac{120}{12} \div \frac{84}{12} \div \frac{216}{12} \times \frac{12}{20} \div \frac{132}{12} \times \frac{12}{17} \times \frac{14}{12} \times \frac{10}{12} \times \frac{14}{12}$$

$$\times \frac{17}{12} \div \frac{240}{12} \times \frac{12}{14} \div \frac{228}{12} \div \frac{192}{12} \div \frac{120}{12} \times \frac{12}{4} \times \frac{11}{12} \div \frac{120}{12} \div \frac{108}{12}$$

$$\times \frac{12}{12} \div \frac{108}{12} \div \frac{144}{12} \times \frac{12}{1} \div \frac{36}{12} \div \frac{204}{12} \div \frac{72}{12} \times \frac{12}{14} \times \frac{12}{19} \div \frac{36}{12}$$

$$\times \frac{12}{15} \div \frac{60}{12} \times \frac{6}{12} \div \frac{108}{12} \div \frac{72}{12} \times \frac{10}{12} \div \frac{84}{12} \times \frac{6}{12} \times \frac{12}{7} \div \frac{60}{12}$$

$$\times \frac{11}{12} \times \frac{12}{10} \times \frac{14}{12} \div \frac{24}{12} \times \frac{12}{6} \times \frac{8}{12} \div \frac{48}{12} \div \frac{72}{12} \times \frac{12}{3} \div \frac{132}{12}$$

$$\div \frac{144}{12} \times \frac{6}{12} \div \frac{48}{12} \div \frac{84}{12} \div \frac{204}{12} \div \frac{72}{12} \times \frac{2}{12} \div \frac{204}{12} \div \frac{132}{12} \div \frac{168}{12}$$

Opérations Mixtes Solutions (F)

Effectuez chaque opération.

$$\begin{array}{r}
 \times \frac{5}{12} \div \frac{72}{12} \div \frac{24}{12} \times \frac{15}{12} \div \frac{228}{12} \times \frac{13}{12} \div \frac{192}{12} \times \frac{12}{6} \div \frac{204}{12} \div \frac{96}{12} \\
 \hline
 \frac{60}{6} \quad \frac{6}{2} \quad \frac{180}{19} \quad \frac{156}{16} \quad \frac{72}{72} \quad \frac{17}{17} \quad \frac{8}{8} \\
 \\
 \div \frac{156}{12} \div \frac{144}{12} \times \frac{12}{12} \times \frac{11}{11} \div \frac{96}{12} \div \frac{192}{12} \times \frac{8}{12} \div \frac{72}{12} \div \frac{216}{12} \div \frac{240}{12} \\
 \hline
 \frac{13}{12} \quad \frac{12}{12} \quad \frac{144}{132} \quad \frac{8}{8} \quad \frac{16}{16} \quad \frac{96}{96} \quad \frac{6}{6} \quad \frac{18}{18} \quad \frac{20}{20} \\
 \\
 \div \frac{144}{12} \times \frac{12}{17} \div \frac{144}{12} \times \frac{12}{13} \div \frac{156}{12} \div \frac{204}{12} \times \frac{5}{12} \div \frac{156}{12} \times \frac{12}{4} \times \frac{17}{12} \\
 \hline
 \frac{12}{12} \quad \frac{204}{204} \quad \frac{12}{12} \quad \frac{156}{156} \quad \frac{13}{13} \quad \frac{17}{17} \quad \frac{60}{60} \quad \frac{13}{13} \quad \frac{48}{48} \quad \frac{204}{204} \\
 \\
 \div \frac{156}{12} \times \frac{12}{8} \div \frac{180}{12} \div \frac{168}{12} \times \frac{14}{12} \times \frac{12}{13} \times \frac{12}{12} \div \frac{36}{12} \div \frac{144}{12} \times \frac{12}{5} \\
 \hline
 \frac{13}{13} \quad \frac{96}{96} \quad \frac{15}{15} \quad \frac{14}{14} \quad \frac{168}{168} \quad \frac{156}{156} \quad \frac{144}{144} \quad \frac{3}{3} \quad \frac{12}{12} \quad \frac{5}{60} \\
 \\
 \times \frac{10}{12} \div \frac{120}{12} \div \frac{84}{12} \div \frac{216}{12} \times \frac{12}{20} \div \frac{132}{12} \times \frac{12}{17} \times \frac{14}{12} \times \frac{10}{12} \times \frac{14}{12} \\
 \hline
 \frac{120}{120} \quad \frac{10}{10} \quad \frac{7}{7} \quad \frac{18}{18} \quad \frac{240}{240} \quad \frac{11}{11} \quad \frac{204}{204} \quad \frac{168}{168} \quad \frac{120}{120} \quad \frac{168}{168} \\
 \\
 \times \frac{17}{12} \div \frac{240}{12} \times \frac{12}{14} \div \frac{228}{12} \div \frac{192}{12} \div \frac{120}{12} \times \frac{12}{4} \times \frac{11}{12} \div \frac{120}{12} \div \frac{108}{12} \\
 \hline
 \frac{204}{204} \quad \frac{20}{20} \quad \frac{168}{168} \quad \frac{19}{19} \quad \frac{16}{16} \quad \frac{10}{10} \quad \frac{48}{48} \quad \frac{132}{132} \quad \frac{10}{10} \quad \frac{9}{9} \\
 \\
 \times \frac{12}{12} \div \frac{108}{12} \div \frac{144}{12} \times \frac{12}{1} \div \frac{36}{12} \div \frac{204}{12} \div \frac{72}{12} \times \frac{12}{14} \times \frac{12}{19} \div \frac{36}{12} \\
 \hline
 \frac{144}{144} \quad \frac{9}{9} \quad \frac{12}{12} \quad \frac{1}{1} \quad \frac{3}{3} \quad \frac{17}{17} \quad \frac{6}{6} \quad \frac{168}{168} \quad \frac{228}{228} \quad \frac{3}{3} \\
 \\
 \times \frac{12}{15} \div \frac{60}{12} \times \frac{6}{12} \div \frac{108}{12} \div \frac{72}{12} \times \frac{10}{12} \div \frac{84}{12} \times \frac{6}{12} \times \frac{12}{7} \div \frac{60}{12} \\
 \hline
 \frac{180}{180} \quad \frac{5}{5} \quad \frac{72}{72} \quad \frac{9}{9} \quad \frac{6}{6} \quad \frac{120}{120} \quad \frac{7}{7} \quad \frac{72}{72} \quad \frac{84}{84} \quad \frac{5}{5} \\
 \\
 \times \frac{11}{12} \times \frac{12}{10} \times \frac{14}{12} \div \frac{24}{12} \times \frac{12}{6} \times \frac{8}{12} \div \frac{48}{12} \div \frac{72}{12} \times \frac{12}{3} \div \frac{132}{12} \\
 \hline
 \frac{132}{132} \quad \frac{120}{120} \quad \frac{168}{168} \quad \frac{2}{2} \quad \frac{72}{72} \quad \frac{96}{96} \quad \frac{4}{4} \quad \frac{6}{6} \quad \frac{36}{36} \quad \frac{11}{11} \\
 \\
 \div \frac{144}{12} \times \frac{6}{12} \div \frac{48}{12} \div \frac{84}{12} \div \frac{204}{12} \div \frac{72}{12} \div \frac{2}{12} \times \frac{24}{12} \div \frac{204}{12} \div \frac{132}{12} \\
 \hline
 \frac{12}{12} \quad \frac{72}{72} \quad \frac{4}{4} \quad \frac{7}{7} \quad \frac{17}{17} \quad \frac{6}{6} \quad \frac{24}{24} \quad \frac{17}{17} \quad \frac{11}{11} \quad \frac{14}{14}
 \end{array}$$

Opérations Mixtes (G)

Effectuez chaque opération.

$$\div \frac{132}{12} \div \frac{108}{12} \div \frac{108}{12} \div \frac{240}{12} \div \frac{48}{12} \div \frac{216}{12} \times \frac{7}{12} \times \frac{2}{12} \div \frac{48}{12} \times \frac{12}{20}$$

$$\times \frac{12}{13} \times \frac{12}{6} \times \frac{12}{14} \div \frac{120}{12} \div \frac{108}{12} \times \frac{5}{12} \times \frac{12}{12} \div \frac{12}{12} \times \frac{12}{8} \times \frac{12}{18}$$

$$\times \frac{12}{15} \times \frac{12}{6} \div \frac{240}{12} \div \frac{12}{12} \times \frac{12}{7} \div \frac{216}{12} \div \frac{192}{12} \times \frac{16}{12} \div \frac{156}{12} \times \frac{19}{12}$$

$$\div \frac{60}{12} \times \frac{12}{2} \times \frac{5}{12} \times \frac{12}{14} \div \frac{180}{12} \times \frac{12}{13} \div \frac{180}{12} \div \frac{240}{12} \div \frac{72}{12} \times \frac{19}{12}$$

$$\div \frac{36}{12} \div \frac{204}{12} \times \frac{7}{12} \div \frac{96}{12} \div \frac{216}{12} \times \frac{12}{3} \div \frac{108}{12} \times \frac{12}{12} \div \frac{240}{12} \times \frac{12}{8}$$

$$\div \frac{108}{12} \div \frac{72}{12} \div \frac{192}{12} \times \frac{13}{12} \times \frac{9}{12} \times \frac{12}{5} \times \frac{6}{12} \times \frac{12}{19} \times \frac{12}{9} \div \frac{24}{12}$$

$$\times \frac{12}{20} \times \frac{17}{12} \times \frac{12}{8} \div \frac{12}{12} \div \frac{108}{12} \div \frac{96}{12} \div \frac{204}{12} \div \frac{204}{12} \times \frac{12}{14} \div \frac{12}{12}$$

$$\times \frac{16}{12} \div \frac{12}{12} \times \frac{12}{13} \times \frac{11}{12} \times \frac{12}{12} \times \frac{18}{12} \div \frac{132}{12} \times \frac{12}{12} \times \frac{12}{2} \times \frac{12}{5}$$

$$\div \frac{156}{12} \times \frac{12}{13} \div \frac{60}{12} \times \frac{19}{12} \times \frac{12}{17} \div \frac{204}{12} \times \frac{12}{12} \times \frac{12}{3} \div \frac{240}{12} \div \frac{228}{12}$$

$$\div \frac{12}{12} \div \frac{24}{12} \div \frac{12}{12} \times \frac{12}{15} \div \frac{96}{12} \div \frac{108}{12} \times \frac{12}{16} \times \frac{12}{2} \times \frac{2}{12} \div \frac{156}{12}$$

Opérations Mixtes Solutions (G)

Effectuez chaque opération.

$$\begin{array}{cccccccccc}
 \div \frac{132}{12} & \div \frac{108}{12} & \div \frac{108}{12} & \div \frac{240}{12} & \div \frac{48}{12} & \div \frac{216}{12} & \times \frac{7}{12} & \times \frac{2}{12} & \div \frac{48}{12} & \times \frac{12}{20} \\
 \frac{11}{9} & \frac{9}{9} & \frac{9}{9} & \frac{20}{4} & \frac{4}{4} & \frac{18}{18} & \frac{84}{84} & \frac{24}{24} & \frac{4}{4} & \frac{20}{240} \\
 \\
 \times \frac{12}{13} & \times \frac{12}{6} & \times \frac{12}{14} & \div \frac{120}{12} & \div \frac{108}{12} & \times \frac{5}{12} & \times \frac{12}{12} & \div \frac{12}{12} & \times \frac{12}{8} & \times \frac{12}{18} \\
 \frac{156}{72} & \frac{72}{168} & \frac{168}{10} & \frac{10}{9} & \frac{9}{60} & \frac{60}{144} & \frac{144}{1} & \frac{1}{96} & \frac{96}{216} & \\
 \\
 \times \frac{12}{15} & \times \frac{12}{6} & \div \frac{240}{12} & \div \frac{12}{12} & \times \frac{12}{7} & \div \frac{216}{12} & \div \frac{192}{12} & \times \frac{16}{12} & \div \frac{156}{12} & \times \frac{19}{12} \\
 \frac{180}{72} & \frac{72}{20} & \frac{20}{1} & \frac{1}{84} & \frac{84}{18} & \frac{18}{16} & \frac{16}{192} & \frac{192}{13} & \frac{156}{228} & \\
 \\
 \div \frac{60}{12} & \times \frac{12}{2} & \times \frac{5}{12} & \times \frac{12}{14} & \div \frac{180}{12} & \times \frac{12}{13} & \div \frac{180}{12} & \div \frac{240}{12} & \div \frac{72}{12} & \times \frac{19}{228} \\
 \frac{5}{24} & \frac{24}{60} & \frac{60}{168} & \frac{168}{15} & \frac{15}{156} & \frac{156}{15} & \frac{15}{20} & \frac{20}{6} & \frac{72}{228} & \\
 \\
 \div \frac{36}{12} & \div \frac{204}{12} & \times \frac{7}{12} & \div \frac{96}{12} & \div \frac{216}{12} & \times \frac{12}{3} & \div \frac{108}{12} & \times \frac{12}{12} & \div \frac{240}{12} & \times \frac{12}{8} \\
 \frac{3}{17} & \frac{17}{84} & \frac{84}{8} & \frac{8}{18} & \frac{18}{36} & \frac{36}{9} & \frac{9}{144} & \frac{144}{20} & \frac{20}{96} & \\
 \\
 \div \frac{108}{12} & \div \frac{72}{12} & \div \frac{192}{12} & \times \frac{13}{12} & \times \frac{9}{12} & \times \frac{12}{5} & \times \frac{6}{12} & \times \frac{12}{19} & \times \frac{12}{9} & \div \frac{24}{12} \\
 \frac{9}{6} & \frac{6}{16} & \frac{16}{156} & \frac{156}{108} & \frac{108}{60} & \frac{60}{72} & \frac{72}{228} & \frac{228}{108} & \frac{108}{2} & \\
 \\
 \times \frac{12}{20} & \times \frac{17}{12} & \times \frac{12}{8} & \div \frac{12}{12} & \div \frac{108}{12} & \div \frac{96}{8} & \div \frac{204}{12} & \div \frac{204}{17} & \times \frac{12}{14} & \div \frac{12}{12} \\
 \frac{240}{204} & \frac{204}{96} & \frac{96}{1} & \frac{1}{9} & \frac{9}{8} & \frac{8}{17} & \frac{17}{168} & \frac{168}{1} & \frac{14}{168} & \\
 \\
 \times \frac{16}{12} & \div \frac{12}{12} & \times \frac{12}{13} & \times \frac{11}{12} & \times \frac{12}{12} & \times \frac{18}{12} & \div \frac{132}{12} & \times \frac{12}{12} & \times \frac{12}{2} & \times \frac{12}{5} \\
 \frac{192}{192} & \frac{1}{1} & \frac{156}{132} & \frac{132}{144} & \frac{144}{216} & \frac{216}{11} & \frac{11}{144} & \frac{144}{24} & \frac{24}{24} & \frac{12}{60} \\
 \\
 \div \frac{156}{12} & \times \frac{12}{13} & \div \frac{60}{12} & \times \frac{19}{12} & \times \frac{12}{17} & \div \frac{204}{12} & \times \frac{12}{17} & \times \frac{12}{3} & \div \frac{240}{12} & \div \frac{228}{12} \\
 \frac{13}{156} & \frac{156}{5} & \frac{5}{228} & \frac{228}{204} & \frac{204}{17} & \frac{17}{144} & \frac{144}{36} & \frac{36}{20} & \frac{20}{19} & \\
 \\
 \div \frac{12}{12} & \div \frac{24}{12} & \div \frac{12}{12} & \times \frac{15}{180} & \div \frac{96}{12} & \div \frac{108}{12} & \times \frac{12}{16} & \times \frac{12}{2} & \times \frac{2}{12} & \div \frac{156}{12} \\
 \frac{1}{2} & \frac{2}{1} & \frac{1}{1} & \frac{180}{8} & \frac{8}{9} & \frac{9}{192} & \frac{192}{24} & \frac{24}{24} & \frac{24}{24} & \frac{156}{13} \\
 \end{array}$$

Opérations Mixtes (H)

Effectuez chaque opération.

$$\times \frac{12}{5} \times \frac{12}{5} \div \frac{180}{12} \times \frac{20}{12} \times \frac{2}{12} \times \frac{10}{12} \div \frac{180}{12} \div \frac{132}{12} \times \frac{19}{12} \times \frac{9}{12}$$

$$\div \frac{204}{12} \div \frac{48}{12} \times \frac{12}{19} \div \frac{72}{12} \times \frac{12}{18} \div \frac{168}{12} \div \frac{120}{12} \div \frac{132}{12} \times \frac{12}{4} \times \frac{12}{10}$$

$$\times \frac{12}{13} \times \frac{19}{12} \div \frac{108}{12} \div \frac{96}{12} \div \frac{168}{12} \div \frac{192}{12} \times \frac{12}{14} \div \frac{108}{12} \times \frac{5}{12} \div \frac{132}{12}$$

$$\div \frac{12}{12} \times \frac{6}{12} \div \frac{12}{12} \times \frac{12}{12} \times \frac{12}{4} \times \frac{20}{12} \div \frac{12}{12} \div \frac{168}{12} \div \frac{240}{12} \div \frac{108}{12}$$

$$\div \frac{216}{12} \times \frac{18}{12} \times \frac{12}{2} \div \frac{240}{12} \div \frac{12}{12} \div \frac{84}{12} \times \frac{15}{12} \div \frac{156}{12} \div \frac{240}{12} \times \frac{12}{7}$$

$$\times \frac{12}{20} \div \frac{132}{12} \times \frac{1}{12} \div \frac{48}{12} \times \frac{15}{12} \div \frac{48}{12} \times \frac{14}{12} \div \frac{156}{12} \div \frac{24}{12} \times \frac{12}{8}$$

$$\times \frac{12}{18} \times \frac{6}{12} \div \frac{48}{12} \div \frac{168}{12} \times \frac{9}{12} \times \frac{12}{5} \div \frac{48}{12} \div \frac{144}{12} \times \frac{5}{12} \div \frac{168}{12}$$

$$\times \frac{12}{1} \times \frac{17}{12} \div \frac{36}{12} \div \frac{132}{12} \times \frac{5}{12} \div \frac{192}{12} \div \frac{120}{12} \div \frac{180}{12} \times \frac{12}{16} \div \frac{240}{12}$$

$$\div \frac{144}{12} \times \frac{15}{12} \div \frac{24}{12} \times \frac{4}{12} \div \frac{168}{12} \times \frac{1}{12} \times \frac{12}{10} \div \frac{60}{12} \div \frac{108}{12} \div \frac{216}{12}$$

$$\times \frac{9}{12} \times \frac{9}{12} \times \frac{12}{5} \times \frac{19}{12} \div \frac{156}{12} \div \frac{96}{12} \times \frac{12}{6} \div \frac{132}{12} \div \frac{168}{12} \div \frac{156}{12}$$

Opérations Mixtes Solutions (H)

Effectuez chaque opération.

$$\begin{array}{cccccccccc}
 \times \frac{12}{5} & \times \frac{12}{5} & \div \frac{180}{12} & \times \frac{20}{12} & \times \frac{2}{12} & \times \frac{10}{12} & \div \frac{180}{12} & \div \frac{132}{12} & \times \frac{19}{12} & \times \frac{9}{12} \\
 \hline
 60 & 60 & 15 & 240 & 24 & 120 & 15 & 11 & 228 & 108 \\
 \div \frac{204}{12} & \div \frac{48}{12} & \times \frac{12}{19} & \div \frac{72}{12} & \times \frac{12}{18} & \div \frac{168}{12} & \div \frac{120}{12} & \div \frac{132}{12} & \times \frac{12}{4} & \times \frac{12}{10} \\
 \hline
 17 & 4 & 228 & 6 & 216 & 14 & 10 & 11 & 48 & 120 \\
 \times \frac{12}{13} & \times \frac{19}{12} & \div \frac{108}{12} & \div \frac{96}{12} & \div \frac{168}{12} & \div \frac{192}{12} & \times \frac{12}{14} & \div \frac{108}{12} & \times \frac{5}{12} & \div \frac{132}{12} \\
 \hline
 156 & 228 & 9 & 8 & 14 & 16 & 168 & 9 & 60 & 11 \\
 \div \frac{12}{12} & \times \frac{6}{12} & \div \frac{12}{12} & \times \frac{12}{12} & \times \frac{12}{4} & \times \frac{20}{12} & \div \frac{12}{12} & \div \frac{168}{12} & \div \frac{240}{12} & \div \frac{108}{12} \\
 \hline
 1 & 72 & 1 & 144 & 48 & 240 & 1 & 14 & 20 & 9 \\
 \div \frac{216}{12} & \times \frac{18}{12} & \times \frac{12}{2} & \div \frac{240}{12} & \div \frac{12}{12} & \div \frac{84}{12} & \times \frac{15}{12} & \div \frac{156}{12} & \div \frac{240}{12} & \div \frac{12}{7} \\
 \hline
 18 & 216 & 24 & 20 & 1 & 7 & 180 & 13 & 20 & 84 \\
 \times \frac{12}{20} & \div \frac{132}{12} & \times \frac{1}{12} & \div \frac{48}{12} & \times \frac{15}{12} & \div \frac{48}{12} & \times \frac{14}{12} & \div \frac{156}{12} & \div \frac{24}{12} & \div \frac{12}{8} \\
 \hline
 240 & 11 & 12 & 4 & 180 & 4 & 168 & 13 & 2 & 96 \\
 \times \frac{12}{18} & \times \frac{6}{12} & \div \frac{48}{12} & \div \frac{168}{12} & \times \frac{9}{12} & \times \frac{12}{5} & \div \frac{48}{12} & \div \frac{144}{12} & \div \frac{5}{12} & \div \frac{168}{12} \\
 \hline
 216 & 72 & 4 & 14 & 108 & 60 & 4 & 12 & 60 & 14 \\
 \times \frac{12}{12} & \times \frac{17}{12} & \div \frac{36}{12} & \div \frac{132}{12} & \times \frac{5}{12} & \div \frac{192}{12} & \div \frac{120}{12} & \div \frac{180}{12} & \div \frac{12}{16} & \div \frac{240}{12} \\
 \hline
 12 & 204 & 3 & 11 & 60 & 16 & 10 & 15 & 192 & 20 \\
 \div \frac{144}{12} & \times \frac{15}{12} & \div \frac{24}{12} & \times \frac{4}{12} & \div \frac{168}{12} & \times \frac{1}{12} & \times \frac{12}{10} & \div \frac{60}{12} & \div \frac{108}{12} & \div \frac{216}{12} \\
 \hline
 12 & 180 & 2 & 48 & 14 & 12 & 10 & 5 & 9 & 18 \\
 \times \frac{9}{12} & \times \frac{9}{12} & \times \frac{12}{5} & \times \frac{19}{12} & \div \frac{156}{12} & \div \frac{96}{12} & \times \frac{12}{8} & \div \frac{132}{12} & \div \frac{168}{12} & \div \frac{156}{12} \\
 \hline
 108 & 108 & 60 & 228 & 13 & 8 & 72 & 11 & 14 & 13
 \end{array}$$

Opérations Mixtes (I)

Effectuez chaque opération.

$$\div \frac{132}{12} \div \frac{24}{12} \times \frac{2}{12} \div \frac{24}{12} \times \frac{12}{9} \div \frac{180}{12} \times \frac{9}{12} \times \frac{20}{12} \div \frac{84}{12} \times \frac{18}{12}$$

$$\times \frac{19}{12} \times \frac{12}{8} \times \frac{14}{12} \div \frac{132}{12} \div \frac{12}{12} \times \frac{12}{1} \times \frac{18}{12} \div \frac{60}{12} \div \frac{84}{12} \times \frac{6}{12}$$

$$\times \frac{9}{12} \times \frac{11}{12} \times \frac{12}{10} \times \frac{12}{8} \times \frac{11}{12} \div \frac{228}{12} \div \frac{180}{12} \times \frac{16}{12} \times \frac{12}{13} \div \frac{12}{12}$$

$$\times \frac{7}{12} \times \frac{12}{3} \times \frac{9}{12} \div \frac{156}{12} \div \frac{84}{12} \times \frac{4}{12} \div \frac{24}{12} \times \frac{12}{9} \times \frac{12}{3} \div \frac{240}{12}$$

$$\div \frac{72}{12} \div \frac{132}{12} \times \frac{12}{14} \div \frac{132}{12} \div \frac{108}{12} \div \frac{192}{12} \times \frac{1}{12} \div \frac{180}{12} \div \frac{60}{12} \div \frac{36}{12}$$

$$\times \frac{10}{12} \div \frac{120}{12} \div \frac{120}{12} \times \frac{12}{18} \div \frac{156}{12} \div \frac{12}{12} \times \frac{4}{12} \div \frac{216}{12} \div \frac{108}{12} \div \frac{168}{12}$$

$$\times \frac{3}{12} \div \frac{24}{12} \times \frac{4}{12} \div \frac{36}{12} \div \frac{228}{12} \times \frac{12}{18} \times \frac{13}{12} \div \frac{84}{12} \times \frac{12}{8} \div \frac{168}{12}$$

$$\times \frac{6}{12} \div \frac{180}{12} \times \frac{7}{12} \times \frac{12}{12} \times \frac{17}{12} \div \frac{120}{12} \times \frac{16}{12} \div \frac{108}{12} \times \frac{12}{7} \div \frac{156}{12}$$

$$\times \frac{12}{2} \div \frac{108}{12} \div \frac{120}{12} \div \frac{228}{12} \div \frac{204}{12} \times \frac{12}{17} \times \frac{11}{12} \times \frac{6}{12} \times \frac{12}{9} \times \frac{1}{12}$$

$$\div \frac{84}{12} \div \frac{72}{12} \times \frac{12}{16} \div \frac{24}{12} \div \frac{60}{12} \div \frac{144}{12} \times \frac{12}{5} \times \frac{12}{18} \times \frac{2}{12} \times \frac{12}{11}$$

Opérations Mixtes Solutions (I)

Effectuez chaque opération.

$$\begin{array}{cccccccccc} \div \frac{132}{12} & \div \frac{24}{12} & \times \frac{2}{12} & \div \frac{24}{12} & \times \frac{12}{9} & \div \frac{180}{12} & \times \frac{9}{12} & \times \frac{20}{12} & \div \frac{84}{12} & \times \frac{18}{12} \\ \frac{11}{2} & \frac{2}{24} & & \frac{2}{24} & \frac{108}{15} & \frac{15}{108} & \frac{108}{240} & \frac{240}{240} & \frac{7}{7} & \frac{12}{216} \\ \\ \times \frac{19}{12} & \times \frac{12}{8} & \times \frac{14}{12} & \div \frac{132}{12} & \div \frac{12}{12} & \times \frac{12}{1} & \times \frac{18}{12} & \div \frac{60}{12} & \div \frac{84}{12} & \times \frac{6}{12} \\ \frac{228}{96} & \frac{96}{168} & \frac{168}{11} & \frac{11}{1} & \frac{12}{1} & \frac{216}{216} & \frac{18}{5} & \frac{5}{7} & \frac{7}{7} & \frac{12}{72} \\ \\ \times \frac{9}{12} & \times \frac{11}{12} & \times \frac{12}{10} & \times \frac{12}{8} & \times \frac{11}{12} & \div \frac{228}{12} & \div \frac{180}{12} & \times \frac{16}{12} & \times \frac{12}{13} & \div \frac{12}{1} \\ \frac{108}{132} & \frac{132}{120} & \frac{120}{96} & \frac{96}{132} & \frac{132}{19} & \frac{19}{15} & \frac{15}{192} & \frac{192}{156} & \frac{156}{1} & \\ \\ \times \frac{7}{12} & \times \frac{12}{3} & \times \frac{9}{12} & \div \frac{156}{12} & \div \frac{84}{12} & \times \frac{4}{12} & \div \frac{24}{12} & \times \frac{12}{9} & \times \frac{12}{3} & \div \frac{240}{12} \\ \frac{84}{36} & \frac{36}{108} & \frac{108}{13} & \frac{13}{7} & \frac{7}{48} & \frac{48}{2} & \frac{2}{108} & \frac{108}{36} & \frac{36}{20} & \\ \\ \div \frac{72}{12} & \div \frac{132}{12} & \times \frac{12}{14} & \div \frac{132}{12} & \div \frac{108}{12} & \div \frac{192}{12} & \times \frac{1}{12} & \div \frac{180}{12} & \div \frac{60}{12} & \div \frac{36}{12} \\ \frac{6}{11} & \frac{11}{168} & \frac{168}{11} & \frac{11}{9} & \frac{9}{16} & \frac{16}{12} & \frac{12}{12} & \frac{12}{15} & \frac{15}{5} & \frac{5}{3} \\ \\ \times \frac{10}{12} & \div \frac{120}{12} & \div \frac{120}{12} & \times \frac{12}{18} & \div \frac{156}{12} & \div \frac{12}{12} & \times \frac{4}{12} & \div \frac{216}{12} & \div \frac{108}{12} & \div \frac{168}{12} \\ \frac{120}{10} & \frac{10}{216} & \frac{216}{13} & \frac{13}{1} & \frac{13}{48} & \frac{48}{18} & \frac{18}{9} & \frac{18}{9} & \frac{9}{14} & \\ \\ \times \frac{3}{12} & \div \frac{24}{12} & \times \frac{4}{12} & \div \frac{36}{12} & \div \frac{228}{12} & \times \frac{12}{18} & \times \frac{13}{12} & \div \frac{84}{12} & \times \frac{12}{8} & \div \frac{168}{12} \\ \frac{36}{36} & \frac{2}{48} & \frac{48}{3} & \frac{3}{19} & \frac{19}{216} & \frac{216}{156} & \frac{156}{7} & \frac{7}{96} & \frac{96}{14} & \\ \\ \times \frac{6}{12} & \div \frac{180}{12} & \times \frac{7}{12} & \times \frac{12}{12} & \times \frac{17}{12} & \div \frac{120}{12} & \times \frac{16}{12} & \div \frac{108}{12} & \times \frac{12}{7} & \div \frac{156}{12} \\ \frac{72}{15} & \frac{15}{84} & \frac{84}{144} & \frac{144}{204} & \frac{204}{10} & \frac{10}{192} & \frac{192}{9} & \frac{9}{84} & \frac{84}{13} & \\ \\ \times \frac{12}{2} & \div \frac{108}{12} & \div \frac{120}{12} & \div \frac{228}{12} & \div \frac{204}{12} & \times \frac{12}{17} & \times \frac{11}{204} & \times \frac{6}{132} & \times \frac{12}{72} & \times \frac{1}{108} \\ \frac{24}{9} & \frac{9}{10} & \frac{10}{19} & \frac{19}{17} & \frac{17}{204} & \frac{204}{132} & \frac{132}{72} & \frac{72}{108} & \frac{108}{12} & \\ \\ \div \frac{84}{12} & \div \frac{72}{12} & \times \frac{12}{16} & \div \frac{24}{12} & \div \frac{60}{12} & \div \frac{144}{12} & \times \frac{12}{5} & \times \frac{12}{60} & \times \frac{2}{18} & \times \frac{12}{216} \\ \frac{7}{6} & \frac{6}{192} & \frac{192}{2} & \frac{2}{5} & \frac{5}{12} & \frac{12}{12} & \frac{12}{60} & \frac{60}{24} & \frac{24}{24} & \frac{24}{132} \end{array}$$

Opérations Mixtes (J)

Effectuez chaque opération.

$$\times \frac{12}{12} \div \frac{168}{12} \div \frac{108}{12} \times \frac{12}{8} \div \frac{36}{12} \div \frac{84}{12} \div \frac{156}{12} \div \frac{72}{12} \div \frac{72}{12} \times \frac{12}{18}$$

$$\times \frac{16}{12} \div \frac{156}{12} \times \frac{12}{7} \div \frac{192}{12} \times \frac{1}{12} \div \frac{84}{12} \times \frac{12}{14} \div \frac{108}{12} \times \frac{4}{12} \times \frac{12}{12}$$

$$\div \frac{72}{12} \div \frac{120}{12} \div \frac{24}{12} \times \frac{20}{12} \times \frac{15}{12} \times \frac{11}{12} \div \frac{168}{12} \times \frac{12}{3} \times \frac{12}{4} \div \frac{24}{12}$$

$$\div \frac{240}{12} \times \frac{12}{3} \times \frac{12}{12} \div \frac{156}{12} \div \frac{60}{12} \div \frac{132}{12} \times \frac{12}{16} \div \frac{84}{12} \times \frac{16}{12} \div \frac{144}{12}$$

$$\div \frac{72}{12} \times \frac{4}{12} \times \frac{12}{15} \times \frac{12}{17} \div \frac{216}{12} \times \frac{12}{11} \div \frac{216}{12} \times \frac{12}{15} \times \frac{12}{3} \times \frac{11}{12}$$

$$\times \frac{12}{9} \times \frac{12}{6} \times \frac{6}{12} \div \frac{72}{12} \div \frac{84}{12} \div \frac{24}{12} \div \frac{60}{12} \div \frac{240}{12} \div \frac{120}{12} \div \frac{12}{12}$$

$$\times \frac{12}{8} \div \frac{228}{12} \times \frac{20}{12} \times \frac{5}{12} \times \frac{6}{12} \times \frac{12}{17} \times \frac{8}{12} \times \frac{11}{12} \times \frac{12}{4} \div \frac{120}{12}$$

$$\times \frac{16}{12} \div \frac{24}{12} \times \frac{12}{12} \times \frac{9}{12} \div \frac{204}{12} \times \frac{12}{19} \times \frac{12}{19} \times \frac{12}{18} \times \frac{12}{11} \times \frac{12}{14}$$

$$\div \frac{228}{12} \times \frac{7}{12} \times \frac{16}{12} \times \frac{14}{12} \times \frac{12}{16} \times \frac{15}{12} \div \frac{120}{12} \times \frac{2}{12} \times \frac{12}{19} \div \frac{204}{12}$$

$$\times \frac{7}{12} \div \frac{144}{12} \div \frac{228}{12} \times \frac{5}{12} \times \frac{11}{12} \times \frac{20}{12} \times \frac{15}{12} \div \frac{24}{12} \div \frac{132}{12} \div \frac{168}{12}$$

Opérations Mixtes Solutions (J)

Effectuez chaque opération.

$$\begin{array}{cccccccccc}
 \times \frac{12}{144} & \div \frac{168}{14} & \div \frac{108}{9} & \times \frac{12}{96} & \div \frac{36}{3} & \div \frac{84}{7} & \div \frac{156}{13} & \div \frac{72}{6} & \div \frac{72}{6} & \times \frac{12}{216} \\
 \times \frac{16}{192} & \div \frac{156}{13} & \times \frac{12}{84} & \div \frac{192}{16} & \times \frac{1}{12} & \div \frac{84}{7} & \times \frac{12}{168} & \div \frac{108}{9} & \times \frac{4}{48} & \times \frac{12}{144} \\
 \div \frac{72}{6} & \div \frac{120}{10} & \div \frac{24}{2} & \times \frac{20}{240} & \times \frac{15}{180} & \times \frac{11}{132} & \div \frac{168}{14} & \times \frac{12}{36} & \times \frac{12}{48} & \div \frac{24}{2} \\
 \div \frac{240}{20} & \times \frac{12}{36} & \times \frac{12}{144} & \div \frac{156}{13} & \div \frac{60}{5} & \div \frac{132}{11} & \times \frac{12}{192} & \div \frac{84}{7} & \times \frac{16}{192} & \div \frac{144}{12} \\
 \div \frac{72}{6} & \times \frac{4}{48} & \times \frac{12}{180} & \times \frac{12}{204} & \div \frac{216}{18} & \times \frac{12}{132} & \div \frac{216}{18} & \times \frac{12}{180} & \times \frac{12}{36} & \times \frac{11}{132} \\
 \times \frac{12}{108} & \times \frac{12}{72} & \times \frac{6}{72} & \div \frac{72}{6} & \div \frac{84}{7} & \div \frac{24}{2} & \div \frac{60}{5} & \div \frac{240}{20} & \div \frac{120}{10} & \div \frac{12}{1} \\
 \times \frac{12}{96} & \div \frac{228}{19} & \times \frac{20}{240} & \times \frac{5}{60} & \times \frac{6}{72} & \times \frac{12}{204} & \times \frac{8}{96} & \times \frac{11}{132} & \times \frac{12}{48} & \div \frac{120}{10} \\
 \times \frac{16}{192} & \div \frac{24}{2} & \times \frac{12}{144} & \times \frac{9}{108} & \div \frac{204}{17} & \times \frac{12}{228} & \times \frac{12}{228} & \times \frac{12}{216} & \times \frac{12}{132} & \times \frac{12}{168} \\
 \div \frac{228}{19} & \times \frac{7}{84} & \times \frac{16}{192} & \times \frac{14}{168} & \times \frac{12}{192} & \times \frac{15}{180} & \div \frac{120}{10} & \times \frac{2}{24} & \times \frac{12}{228} & \div \frac{204}{17} \\
 \times \frac{7}{84} & \div \frac{144}{12} & \div \frac{228}{19} & \times \frac{5}{60} & \times \frac{11}{132} & \times \frac{20}{240} & \times \frac{15}{180} & \div \frac{24}{2} & \div \frac{132}{11} & \div \frac{168}{14}
 \end{array}$$