

Opérations Mixtes (A)

Effectuez chaque opération.

$$\div \frac{36}{12} \div \frac{132}{12} \times \frac{12}{2} \times \frac{12}{12} \times \frac{10}{12} \times \frac{6}{12} \div \frac{24}{12} \div \frac{120}{12} \times \frac{12}{15} \div \frac{60}{12}$$

$$\div \frac{144}{12} \times \frac{12}{15} \times \frac{5}{12} \div \frac{48}{12} \times \frac{3}{12} \times \frac{12}{11} \times \frac{12}{14} \times \frac{2}{12} \times \frac{9}{12} \div \frac{168}{12}$$

$$\times \frac{12}{9} \times \frac{6}{12} \times \frac{5}{12} \times \frac{12}{13} \times \frac{12}{12} \times \frac{14}{12} \div \frac{120}{12} \div \frac{120}{12} \times \frac{12}{6} \div \frac{36}{12}$$

$$\times \frac{12}{4} \times \frac{11}{12} \times \frac{12}{7} \times \frac{3}{12} \div \frac{12}{12} \times \frac{12}{3} \div \frac{108}{12} \times \frac{12}{10} \times \frac{15}{12} \times \frac{1}{12}$$

$$\div \frac{168}{12} \div \frac{60}{12} \times \frac{8}{12} \times \frac{12}{4} \times \frac{9}{12} \div \frac{84}{12} \times \frac{12}{1} \times \frac{12}{10} \div \frac{12}{12} \div \frac{36}{12}$$

$$\div \frac{48}{12} \div \frac{72}{12} \times \frac{12}{13} \times \frac{4}{12} \div \frac{132}{12} \times \frac{12}{10} \div \frac{36}{12} \div \frac{132}{12} \div \frac{108}{12} \div \frac{120}{12}$$

$$\div \frac{48}{12} \times \frac{12}{6} \times \frac{12}{14} \div \frac{84}{12} \div \frac{132}{12} \div \frac{180}{12} \div \frac{156}{12} \times \frac{15}{12} \div \frac{120}{12} \times \frac{14}{12}$$

$$\times \frac{12}{12} \times \frac{11}{12} \div \frac{144}{12} \times \frac{4}{12} \times \frac{12}{2} \times \frac{9}{12} \times \frac{15}{12} \div \frac{12}{12} \times \frac{11}{12} \div \frac{108}{12}$$

$$\div \frac{84}{12} \div \frac{144}{12} \times \frac{15}{12} \times \frac{2}{12} \times \frac{15}{12} \div \frac{12}{12} \times \frac{12}{14} \times \frac{3}{12} \div \frac{72}{12} \div \frac{84}{12}$$

$$\div \frac{48}{12} \div \frac{12}{12} \times \frac{12}{15} \div \frac{132}{12} \times \frac{12}{12} \div \frac{84}{12} \times \frac{12}{12} \div \frac{168}{12} \div \frac{108}{12} \times \frac{5}{12}$$

Opérations Mixtes Solutions (A)

Effectuez chaque opération.

$$\begin{array}{l} \div \frac{36}{12} \div \frac{132}{12} \times \frac{12}{2} \times \frac{12}{144} \times \frac{10}{120} \times \frac{6}{72} \div \frac{24}{2} \div \frac{120}{10} \times \frac{12}{180} \div \frac{60}{5} \\ \hline 3 \quad 11 \quad 24 \quad 144 \quad 120 \quad 72 \quad 2 \quad 10 \quad 180 \quad 5 \end{array}$$

$$\begin{array}{l} \div \frac{144}{12} \times \frac{12}{180} \times \frac{5}{12} \div \frac{48}{12} \times \frac{3}{12} \times \frac{12}{11} \times \frac{12}{14} \times \frac{2}{12} \times \frac{9}{12} \div \frac{168}{12} \\ \hline 12 \quad 180 \quad 60 \quad 4 \quad 36 \quad 132 \quad 168 \quad 24 \quad 108 \quad 14 \end{array}$$

$$\begin{array}{l} \times \frac{12}{9} \times \frac{6}{12} \times \frac{5}{12} \times \frac{12}{13} \times \frac{12}{12} \times \frac{14}{12} \div \frac{120}{12} \div \frac{120}{12} \times \frac{12}{6} \div \frac{36}{12} \\ \hline 108 \quad 72 \quad 60 \quad 156 \quad 144 \quad 168 \quad 10 \quad 10 \quad 72 \quad 3 \end{array}$$

$$\begin{array}{l} \times \frac{12}{4} \times \frac{11}{12} \times \frac{12}{7} \times \frac{3}{12} \div \frac{12}{12} \times \frac{12}{3} \div \frac{108}{12} \times \frac{12}{10} \times \frac{15}{12} \times \frac{1}{12} \\ \hline 48 \quad 132 \quad 84 \quad 36 \quad 1 \quad 36 \quad 9 \quad 120 \quad 180 \quad 12 \end{array}$$

$$\begin{array}{l} \div \frac{168}{12} \div \frac{60}{12} \times \frac{8}{12} \times \frac{12}{4} \times \frac{9}{12} \div \frac{84}{12} \times \frac{12}{1} \times \frac{12}{10} \div \frac{12}{12} \div \frac{36}{12} \\ \hline 14 \quad 5 \quad 96 \quad 48 \quad 108 \quad 7 \quad 12 \quad 120 \quad 1 \quad 3 \end{array}$$

$$\begin{array}{l} \div \frac{48}{12} \div \frac{72}{12} \times \frac{12}{13} \times \frac{4}{12} \div \frac{132}{12} \times \frac{12}{10} \div \frac{36}{12} \div \frac{132}{12} \div \frac{108}{12} \div \frac{120}{12} \\ \hline 4 \quad 6 \quad 156 \quad 48 \quad 11 \quad 120 \quad 3 \quad 11 \quad 9 \quad 10 \end{array}$$

$$\begin{array}{l} \div \frac{48}{12} \times \frac{12}{6} \times \frac{12}{14} \div \frac{84}{12} \div \frac{132}{12} \div \frac{180}{12} \div \frac{156}{12} \times \frac{15}{12} \div \frac{120}{12} \times \frac{14}{12} \\ \hline 4 \quad 72 \quad 168 \quad 7 \quad 11 \quad 15 \quad 13 \quad 180 \quad 10 \quad 168 \end{array}$$

$$\begin{array}{l} \times \frac{12}{12} \times \frac{11}{12} \div \frac{144}{12} \times \frac{4}{12} \times \frac{12}{2} \times \frac{9}{12} \times \frac{15}{12} \div \frac{12}{12} \times \frac{11}{12} \div \frac{108}{12} \\ \hline 144 \quad 132 \quad 12 \quad 48 \quad 24 \quad 108 \quad 180 \quad 1 \quad 132 \quad 9 \end{array}$$

$$\begin{array}{l} \div \frac{84}{12} \div \frac{144}{12} \times \frac{15}{12} \times \frac{2}{12} \times \frac{15}{12} \div \frac{12}{12} \times \frac{12}{14} \times \frac{3}{12} \div \frac{72}{12} \div \frac{84}{12} \\ \hline 7 \quad 12 \quad 180 \quad 24 \quad 180 \quad 1 \quad 168 \quad 36 \quad 6 \quad 7 \end{array}$$

$$\begin{array}{l} \div \frac{48}{12} \div \frac{12}{12} \times \frac{12}{15} \div \frac{132}{12} \times \frac{12}{12} \div \frac{84}{12} \times \frac{12}{12} \div \frac{168}{12} \div \frac{108}{12} \times \frac{5}{12} \\ \hline 4 \quad 1 \quad 180 \quad 11 \quad 144 \quad 7 \quad 144 \quad 14 \quad 9 \quad 60 \end{array}$$

Opérations Mixtes (B)

Effectuez chaque opération.

$$\div \frac{60}{12} \times \frac{12}{12} \times \frac{15}{12} \times \frac{12}{5} \div \frac{72}{12} \times \frac{3}{12} \div \frac{72}{12} \times \frac{12}{1} \times \frac{12}{9} \div \frac{132}{12}$$

$$\times \frac{3}{12} \times \frac{12}{15} \div \frac{24}{12} \div \frac{24}{12} \times \frac{12}{1} \times \frac{12}{14} \div \frac{36}{12} \times \frac{12}{6} \times \frac{12}{1} \times \frac{12}{4}$$

$$\times \frac{12}{9} \times \frac{2}{12} \times \frac{11}{12} \div \frac{168}{12} \div \frac{96}{12} \times \frac{6}{12} \div \frac{144}{12} \times \frac{13}{12} \div \frac{144}{12} \div \frac{24}{12}$$

$$\times \frac{12}{14} \div \frac{72}{12} \div \frac{48}{12} \times \frac{12}{4} \div \frac{156}{12} \times \frac{15}{12} \div \frac{108}{12} \div \frac{132}{12} \times \frac{11}{12} \div \frac{180}{12}$$

$$\times \frac{12}{9} \div \frac{24}{12} \times \frac{6}{12} \div \frac{84}{12} \times \frac{12}{8} \times \frac{3}{12} \div \frac{48}{12} \div \frac{48}{12} \div \frac{108}{12} \div \frac{48}{12}$$

$$\times \frac{12}{10} \times \frac{12}{11} \div \frac{108}{12} \times \frac{12}{8} \div \frac{36}{12} \div \frac{60}{12} \times \frac{1}{12} \div \frac{108}{12} \div \frac{144}{12} \div \frac{36}{12}$$

$$\times \frac{15}{12} \div \frac{12}{12} \div \frac{72}{12} \div \frac{180}{12} \times \frac{7}{12} \div \frac{180}{12} \div \frac{108}{12} \div \frac{168}{12} \div \frac{60}{12} \div \frac{84}{12}$$

$$\div \frac{156}{12} \div \frac{120}{12} \div \frac{60}{12} \times \frac{12}{2} \times \frac{12}{9} \div \frac{180}{12} \div \frac{108}{12} \times \frac{2}{12} \div \frac{36}{12} \times \frac{7}{12}$$

$$\times \frac{2}{12} \div \frac{72}{12} \div \frac{180}{12} \times \frac{11}{12} \times \frac{12}{12} \div \frac{120}{12} \times \frac{7}{12} \div \frac{36}{12} \times \frac{8}{12} \div \frac{12}{12}$$

$$\div \frac{84}{12} \times \frac{12}{4} \times \frac{13}{12} \div \frac{60}{12} \div \frac{132}{12} \times \frac{2}{12} \times \frac{12}{12} \div \frac{96}{12} \times \frac{12}{9} \div \frac{168}{12}$$

Opérations Mixtes Solutions (B)

Effectuez chaque opération.

$\div \frac{60}{12}$	$\times \frac{12}{144}$	$\times \frac{15}{180}$	$\times \frac{12}{60}$	$\div \frac{72}{6}$	$\times \frac{3}{36}$	$\div \frac{72}{6}$	$\times \frac{12}{12}$	$\times \frac{12}{108}$	$\div \frac{132}{11}$
$\times \frac{3}{36}$	$\times \frac{12}{180}$	$\div \frac{24}{2}$	$\div \frac{24}{2}$	$\times \frac{12}{12}$	$\times \frac{12}{168}$	$\div \frac{36}{3}$	$\times \frac{12}{72}$	$\times \frac{12}{12}$	$\times \frac{12}{48}$
$\times \frac{12}{108}$	$\times \frac{2}{24}$	$\times \frac{11}{132}$	$\div \frac{168}{14}$	$\div \frac{96}{8}$	$\times \frac{6}{72}$	$\div \frac{144}{12}$	$\times \frac{13}{156}$	$\div \frac{144}{12}$	$\div \frac{24}{2}$
$\times \frac{12}{168}$	$\div \frac{72}{6}$	$\div \frac{48}{4}$	$\times \frac{12}{48}$	$\div \frac{156}{13}$	$\times \frac{15}{180}$	$\div \frac{108}{9}$	$\div \frac{132}{11}$	$\times \frac{11}{132}$	$\div \frac{180}{15}$
$\times \frac{12}{108}$	$\div \frac{24}{2}$	$\times \frac{6}{72}$	$\div \frac{84}{7}$	$\times \frac{12}{96}$	$\times \frac{3}{36}$	$\div \frac{48}{4}$	$\div \frac{48}{4}$	$\div \frac{108}{9}$	$\div \frac{48}{4}$
$\times \frac{12}{120}$	$\times \frac{12}{132}$	$\div \frac{108}{9}$	$\times \frac{12}{96}$	$\div \frac{36}{3}$	$\div \frac{60}{5}$	$\times \frac{1}{12}$	$\div \frac{108}{9}$	$\div \frac{144}{12}$	$\div \frac{36}{3}$
$\times \frac{15}{180}$	$\div \frac{12}{1}$	$\div \frac{72}{6}$	$\div \frac{180}{15}$	$\times \frac{7}{84}$	$\div \frac{180}{15}$	$\div \frac{108}{9}$	$\div \frac{168}{14}$	$\div \frac{60}{5}$	$\div \frac{84}{7}$
$\div \frac{156}{13}$	$\div \frac{120}{10}$	$\div \frac{60}{5}$	$\times \frac{12}{24}$	$\times \frac{12}{108}$	$\div \frac{180}{15}$	$\div \frac{108}{9}$	$\times \frac{2}{24}$	$\div \frac{36}{3}$	$\times \frac{7}{84}$
$\times \frac{2}{24}$	$\div \frac{72}{6}$	$\div \frac{180}{15}$	$\times \frac{11}{132}$	$\times \frac{12}{144}$	$\div \frac{120}{10}$	$\times \frac{7}{84}$	$\div \frac{36}{3}$	$\times \frac{8}{96}$	$\div \frac{12}{1}$
$\div \frac{84}{7}$	$\times \frac{12}{48}$	$\times \frac{13}{156}$	$\div \frac{60}{5}$	$\div \frac{132}{11}$	$\times \frac{2}{24}$	$\times \frac{12}{144}$	$\div \frac{96}{8}$	$\times \frac{12}{108}$	$\div \frac{168}{14}$

Opérations Mixtes (C)

Effectuez chaque opération.

$$\div \frac{180}{12} \times \frac{12}{5} \times \frac{12}{5} \div \frac{96}{12} \div \frac{72}{12} \times \frac{1}{12} \times \frac{13}{12} \times \frac{12}{3} \times \frac{12}{6} \div \frac{168}{12}$$

$$\div \frac{120}{12} \div \frac{144}{12} \div \frac{156}{12} \times \frac{10}{12} \times \frac{1}{12} \div \frac{144}{12} \div \frac{156}{12} \times \frac{12}{12} \times \frac{5}{12} \times \frac{12}{6}$$

$$\div \frac{180}{12} \div \frac{96}{12} \div \frac{36}{12} \times \frac{12}{10} \times \frac{12}{12} \times \frac{12}{12} \div \frac{144}{12} \div \frac{96}{12} \times \frac{10}{12} \times \frac{12}{2}$$

$$\times \frac{12}{5} \div \frac{24}{12} \times \frac{12}{14} \div \frac{12}{12} \div \frac{24}{12} \times \frac{10}{12} \div \frac{72}{12} \div \frac{156}{12} \times \frac{6}{12} \times \frac{12}{10}$$

$$\times \frac{5}{12} \div \frac{72}{12} \times \frac{9}{12} \div \frac{120}{12} \div \frac{72}{12} \div \frac{180}{12} \times \frac{12}{1} \times \frac{12}{14} \div \frac{24}{12} \div \frac{108}{12}$$

$$\times \frac{12}{13} \times \frac{12}{5} \div \frac{180}{12} \times \frac{12}{12} \times \frac{12}{9} \div \frac{96}{12} \times \frac{14}{12} \div \frac{156}{12} \div \frac{24}{12} \div \frac{84}{12}$$

$$\div \frac{36}{12} \times \frac{1}{12} \times \frac{3}{12} \div \frac{180}{12} \times \frac{12}{1} \times \frac{8}{12} \times \frac{7}{12} \div \frac{48}{12} \times \frac{12}{12} \div \frac{72}{12}$$

$$\div \frac{180}{12} \times \frac{9}{12} \div \frac{96}{12} \div \frac{84}{12} \div \frac{132}{12} \div \frac{12}{12} \div \frac{24}{12} \div \frac{36}{12} \div \frac{168}{12} \div \frac{36}{12}$$

$$\div \frac{168}{12} \times \frac{4}{12} \div \frac{132}{12} \times \frac{5}{12} \div \frac{180}{12} \div \frac{180}{12} \times \frac{12}{2} \times \frac{10}{12} \div \frac{168}{12} \times \frac{8}{12}$$

$$\times \frac{5}{12} \div \frac{156}{12} \times \frac{2}{12} \div \frac{96}{12} \times \frac{14}{12} \div \frac{168}{12} \times \frac{12}{4} \div \frac{180}{12} \div \frac{36}{12} \div \frac{12}{12}$$

Opérations Mixtes Solutions (C)

Effectuez chaque opération.

$$\begin{array}{cccccccccccc} \div & \frac{180}{12} & \times & \frac{12}{5} & \times & \frac{12}{5} & \div & \frac{96}{12} & \div & \frac{72}{12} & \times & \frac{1}{12} & \times & \frac{13}{12} & \times & \frac{12}{3} & \times & \frac{12}{6} & \div & \frac{168}{12} \\ & 15 & & 60 & & 60 & & 8 & & 6 & & 12 & & 156 & & 36 & & 72 & & 14 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{120}{12} & \div & \frac{144}{12} & \div & \frac{156}{12} & \times & \frac{10}{12} & \times & \frac{1}{12} & \div & \frac{144}{12} & \div & \frac{156}{12} & \times & \frac{12}{12} & \times & \frac{5}{12} & \times & \frac{12}{6} \\ & 10 & & 12 & & 13 & & 120 & & 12 & & 12 & & 13 & & 144 & & 60 & & 72 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{180}{12} & \div & \frac{96}{12} & \div & \frac{36}{12} & \times & \frac{12}{10} & \times & \frac{12}{12} & \times & \frac{12}{12} & \div & \frac{144}{12} & \div & \frac{96}{12} & \times & \frac{10}{12} & \times & \frac{12}{2} \\ & 15 & & 8 & & 3 & & 120 & & 144 & & 144 & & 12 & & 8 & & 120 & & 24 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{12}{5} & \div & \frac{24}{12} & \times & \frac{12}{14} & \div & \frac{12}{12} & \div & \frac{24}{12} & \times & \frac{10}{12} & \div & \frac{72}{12} & \div & \frac{156}{12} & \times & \frac{6}{12} & \times & \frac{12}{10} \\ & 60 & & 2 & & 168 & & 1 & & 2 & & 120 & & 6 & & 13 & & 72 & & 120 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{5}{12} & \div & \frac{72}{12} & \times & \frac{9}{12} & \div & \frac{120}{12} & \div & \frac{72}{12} & \div & \frac{180}{12} & \times & \frac{1}{14} & \times & \frac{12}{14} & \div & \frac{24}{12} & \div & \frac{108}{12} \\ & 60 & & 6 & & 108 & & 10 & & 6 & & 15 & & 12 & & 168 & & 2 & & 9 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{12}{13} & \times & \frac{12}{5} & \div & \frac{180}{12} & \times & \frac{12}{12} & \times & \frac{12}{9} & \div & \frac{96}{12} & \times & \frac{14}{12} & \div & \frac{156}{12} & \div & \frac{24}{12} & \div & \frac{84}{12} \\ & 156 & & 60 & & 15 & & 144 & & 108 & & 8 & & 168 & & 13 & & 2 & & 7 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{36}{12} & \times & \frac{1}{12} & \times & \frac{3}{12} & \div & \frac{180}{12} & \times & \frac{12}{1} & \times & \frac{8}{12} & \times & \frac{7}{12} & \div & \frac{48}{12} & \times & \frac{12}{12} & \div & \frac{72}{12} \\ & 3 & & 12 & & 36 & & 15 & & 12 & & 96 & & 84 & & 4 & & 144 & & 6 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{180}{12} & \times & \frac{9}{12} & \div & \frac{96}{12} & \div & \frac{84}{12} & \div & \frac{132}{12} & \div & \frac{12}{12} & \div & \frac{24}{12} & \div & \frac{36}{12} & \div & \frac{168}{12} & \div & \frac{36}{12} \\ & 15 & & 108 & & 8 & & 7 & & 11 & & 1 & & 2 & & 3 & & 14 & & 3 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{168}{12} & \times & \frac{4}{12} & \div & \frac{132}{12} & \times & \frac{5}{12} & \div & \frac{180}{12} & \div & \frac{180}{12} & \times & \frac{12}{2} & \times & \frac{10}{12} & \div & \frac{168}{12} & \times & \frac{8}{12} \\ & 14 & & 48 & & 11 & & 60 & & 15 & & 15 & & 24 & & 120 & & 14 & & 96 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{5}{12} & \div & \frac{156}{12} & \times & \frac{2}{12} & \div & \frac{96}{12} & \times & \frac{14}{12} & \div & \frac{168}{12} & \times & \frac{12}{4} & \div & \frac{180}{12} & \div & \frac{36}{12} & \div & \frac{12}{12} \\ & 60 & & 13 & & 24 & & 8 & & 168 & & 14 & & 48 & & 15 & & 3 & & 1 \end{array}$$

Opérations Mixtes (D)

Effectuez chaque opération.

$$\times \frac{9}{12} \div \frac{60}{12} \div \frac{132}{12} \times \frac{12}{11} \times \frac{15}{12} \times \frac{12}{5} \div \frac{168}{12} \times \frac{11}{12} \times \frac{15}{12} \times \frac{12}{7}$$

$$\times \frac{12}{11} \div \frac{84}{12} \times \frac{11}{12} \times \frac{12}{6} \div \frac{12}{12} \times \frac{12}{9} \times \frac{12}{3} \div \frac{36}{12} \times \frac{12}{6} \times \frac{1}{12}$$

$$\times \frac{12}{7} \times \frac{12}{13} \div \frac{132}{12} \div \frac{60}{12} \times \frac{12}{13} \times \frac{12}{4} \times \frac{7}{12} \times \frac{12}{12} \div \frac{60}{12} \times \frac{12}{14}$$

$$\times \frac{13}{12} \times \frac{12}{5} \times \frac{12}{1} \div \frac{48}{12} \times \frac{9}{12} \div \frac{60}{12} \times \frac{9}{12} \div \frac{72}{12} \times \frac{12}{4} \div \frac{120}{12}$$

$$\times \frac{13}{12} \times \frac{3}{12} \div \frac{156}{12} \div \frac{60}{12} \times \frac{12}{2} \times \frac{12}{12} \times \frac{12}{10} \times \frac{15}{12} \times \frac{8}{12} \div \frac{96}{12}$$

$$\div \frac{108}{12} \times \frac{7}{12} \times \frac{11}{12} \times \frac{12}{5} \times \frac{11}{12} \div \frac{144}{12} \times \frac{7}{12} \times \frac{6}{12} \div \frac{72}{12} \times \frac{13}{12}$$

$$\times \frac{3}{12} \times \frac{5}{12} \div \frac{24}{12} \times \frac{12}{3} \div \frac{96}{12} \div \frac{48}{12} \div \frac{180}{12} \div \frac{36}{12} \div \frac{48}{12} \times \frac{2}{12}$$

$$\div \frac{12}{12} \times \frac{3}{12} \times \frac{11}{12} \div \frac{48}{12} \div \frac{48}{12} \times \frac{11}{12} \times \frac{4}{12} \div \frac{144}{12} \times \frac{13}{12} \times \frac{11}{12}$$

$$\div \frac{84}{12} \div \frac{84}{12} \div \frac{108}{12} \div \frac{120}{12} \div \frac{120}{12} \div \frac{180}{12} \times \frac{10}{12} \div \frac{48}{12} \times \frac{14}{12} \times \frac{3}{12}$$

$$\div \frac{72}{12} \times \frac{12}{10} \div \frac{96}{12} \div \frac{120}{12} \div \frac{72}{12} \times \frac{12}{3} \times \frac{13}{12} \div \frac{168}{12} \times \frac{12}{3} \div \frac{120}{12}$$

Opérations Mixtes Solutions (D)

Effectuez chaque opération.

$$\begin{array}{cccccccccccc} \times & \frac{9}{12} & \div & \frac{60}{12} & \div & \frac{132}{12} & \times & \frac{12}{11} & \times & \frac{15}{12} & \times & \frac{12}{5} & \div & \frac{168}{12} & \times & \frac{11}{12} & \times & \frac{15}{12} & \times & \frac{12}{7} \\ & 108 & & 5 & & 11 & & 132 & & 180 & & 60 & & 14 & & 132 & & 180 & & 84 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{12}{11} & \div & \frac{84}{12} & \times & \frac{11}{12} & \times & \frac{12}{6} & \div & \frac{12}{12} & \times & \frac{12}{9} & \times & \frac{12}{3} & \div & \frac{36}{12} & \times & \frac{12}{6} & \times & \frac{1}{12} \\ & 132 & & 7 & & 132 & & 72 & & 1 & & 108 & & 36 & & 3 & & 72 & & 12 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{12}{7} & \times & \frac{12}{13} & \div & \frac{132}{12} & \div & \frac{60}{12} & \times & \frac{12}{13} & \times & \frac{12}{4} & \times & \frac{7}{12} & \times & \frac{12}{12} & \div & \frac{60}{12} & \times & \frac{12}{14} \\ & 84 & & 156 & & 11 & & 5 & & 156 & & 48 & & 84 & & 144 & & 5 & & 168 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{13}{12} & \times & \frac{12}{5} & \times & \frac{12}{1} & \div & \frac{48}{12} & \times & \frac{9}{12} & \div & \frac{60}{12} & \times & \frac{9}{12} & \div & \frac{72}{12} & \times & \frac{12}{4} & \div & \frac{120}{12} \\ & 156 & & 60 & & 12 & & 4 & & 108 & & 5 & & 108 & & 6 & & 48 & & 10 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{13}{12} & \times & \frac{3}{12} & \div & \frac{156}{12} & \div & \frac{60}{12} & \times & \frac{12}{2} & \times & \frac{12}{12} & \times & \frac{12}{10} & \times & \frac{15}{12} & \times & \frac{8}{12} & \div & \frac{96}{12} \\ & 156 & & 36 & & 13 & & 5 & & 24 & & 144 & & 120 & & 180 & & 96 & & 8 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{108}{12} & \times & \frac{7}{12} & \times & \frac{11}{12} & \times & \frac{12}{5} & \times & \frac{11}{12} & \div & \frac{144}{12} & \times & \frac{7}{12} & \times & \frac{6}{12} & \div & \frac{72}{12} & \times & \frac{13}{12} \\ & 9 & & 84 & & 132 & & 60 & & 132 & & 12 & & 84 & & 72 & & 6 & & 156 \end{array}$$

$$\begin{array}{cccccccccccc} \times & \frac{3}{12} & \times & \frac{5}{12} & \div & \frac{24}{12} & \times & \frac{12}{3} & \div & \frac{96}{12} & \div & \frac{48}{12} & \div & \frac{180}{12} & \div & \frac{36}{12} & \div & \frac{48}{12} & \times & \frac{2}{12} \\ & 36 & & 60 & & 2 & & 36 & & 8 & & 4 & & 15 & & 3 & & 4 & & 24 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{12}{12} & \times & \frac{3}{12} & \times & \frac{11}{12} & \div & \frac{48}{12} & \div & \frac{48}{12} & \times & \frac{11}{12} & \times & \frac{4}{12} & \div & \frac{144}{12} & \times & \frac{13}{12} & \times & \frac{11}{12} \\ & 1 & & 36 & & 132 & & 4 & & 4 & & 132 & & 48 & & 12 & & 156 & & 132 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{84}{12} & \div & \frac{84}{12} & \div & \frac{108}{12} & \div & \frac{120}{12} & \div & \frac{120}{12} & \div & \frac{180}{12} & \times & \frac{10}{12} & \div & \frac{48}{12} & \times & \frac{14}{12} & \times & \frac{3}{12} \\ & 7 & & 7 & & 9 & & 10 & & 10 & & 15 & & 120 & & 4 & & 168 & & 36 \end{array}$$

$$\begin{array}{cccccccccccc} \div & \frac{72}{12} & \times & \frac{12}{10} & \div & \frac{96}{12} & \div & \frac{120}{12} & \div & \frac{72}{12} & \times & \frac{12}{3} & \times & \frac{13}{12} & \div & \frac{168}{12} & \times & \frac{12}{3} & \div & \frac{120}{12} \\ & 6 & & 120 & & 8 & & 10 & & 6 & & 36 & & 156 & & 14 & & 36 & & 10 \end{array}$$

Opérations Mixtes (E)

Effectuez chaque opération.

$$\div \frac{12}{12} \times \frac{9}{12} \div \frac{168}{12} \div \frac{144}{12} \times \frac{1}{12} \times \frac{12}{6} \div \frac{60}{12} \times \frac{12}{15} \times \frac{12}{8} \div \frac{72}{12}$$

$$\times \frac{12}{12} \times \frac{8}{12} \times \frac{9}{12} \div \frac{132}{12} \div \frac{132}{12} \times \frac{1}{12} \div \frac{120}{12} \times \frac{1}{12} \div \frac{120}{12} \div \frac{120}{12}$$

$$\div \frac{168}{12} \times \frac{1}{12} \times \frac{10}{12} \div \frac{144}{12} \times \frac{12}{5} \times \frac{12}{11} \times \frac{13}{12} \times \frac{9}{12} \times \frac{12}{13} \div \frac{144}{12}$$

$$\times \frac{12}{6} \times \frac{14}{12} \div \frac{144}{12} \div \frac{72}{12} \div \frac{96}{12} \div \frac{144}{12} \div \frac{180}{12} \div \frac{120}{12} \times \frac{5}{12} \div \frac{168}{12}$$

$$\times \frac{11}{12} \times \frac{12}{12} \div \frac{84}{12} \times \frac{12}{13} \div \frac{12}{12} \times \frac{12}{5} \times \frac{10}{12} \times \frac{12}{10} \div \frac{180}{12} \div \frac{60}{12}$$

$$\times \frac{4}{12} \times \frac{8}{12} \times \frac{5}{12} \times \frac{12}{11} \div \frac{60}{12} \div \frac{132}{12} \times \frac{9}{12} \div \frac{72}{12} \div \frac{24}{12} \times \frac{12}{10}$$

$$\div \frac{120}{12} \times \frac{14}{12} \div \frac{84}{12} \div \frac{120}{12} \div \frac{180}{12} \times \frac{12}{3} \times \frac{15}{12} \times \frac{12}{9} \div \frac{144}{12} \times \frac{12}{5}$$

$$\div \frac{60}{12} \times \frac{12}{9} \div \frac{180}{12} \div \frac{60}{12} \times \frac{12}{1} \times \frac{12}{11} \div \frac{96}{12} \div \frac{36}{12} \times \frac{12}{5} \times \frac{12}{15}$$

$$\div \frac{168}{12} \times \frac{8}{12} \div \frac{96}{12} \times \frac{9}{12} \times \frac{12}{12} \div \frac{96}{12} \div \frac{36}{12} \times \frac{12}{13} \div \frac{180}{12} \times \frac{13}{12}$$

$$\times \frac{12}{4} \times \frac{4}{12} \div \frac{84}{12} \div \frac{84}{12} \div \frac{156}{12} \times \frac{2}{12} \times \frac{12}{4} \times \frac{2}{12} \div \frac{36}{12} \div \frac{96}{12}$$

Opérations Mixtes Solutions (E)

Effectuez chaque opération.

$$\begin{array}{r} \div \frac{12}{12} \times \frac{9}{12} \div \frac{168}{12} \div \frac{144}{12} \times \frac{1}{12} \times \frac{12}{6} \div \frac{60}{12} \times \frac{12}{15} \times \frac{12}{8} \div \frac{72}{12} \\ \hline 1 \quad 108 \quad 14 \quad 12 \quad 12 \quad 72 \quad 5 \quad 180 \quad 96 \quad 6 \end{array}$$

$$\begin{array}{r} \times \frac{12}{12} \times \frac{8}{12} \times \frac{9}{12} \div \frac{132}{12} \div \frac{132}{12} \times \frac{1}{12} \div \frac{120}{12} \times \frac{1}{12} \div \frac{120}{12} \div \frac{120}{12} \\ \hline 144 \quad 96 \quad 108 \quad 11 \quad 11 \quad 12 \quad 10 \quad 12 \quad 10 \quad 10 \end{array}$$

$$\begin{array}{r} \div \frac{168}{12} \times \frac{1}{12} \times \frac{10}{12} \div \frac{144}{12} \times \frac{12}{5} \times \frac{12}{11} \times \frac{13}{12} \times \frac{9}{12} \times \frac{12}{13} \div \frac{144}{12} \\ \hline 14 \quad 12 \quad 120 \quad 12 \quad 60 \quad 132 \quad 156 \quad 108 \quad 156 \quad 12 \end{array}$$

$$\begin{array}{r} \times \frac{12}{6} \times \frac{14}{12} \div \frac{144}{12} \div \frac{72}{12} \div \frac{96}{12} \div \frac{144}{12} \div \frac{180}{12} \div \frac{120}{12} \times \frac{5}{12} \div \frac{168}{12} \\ \hline 72 \quad 168 \quad 12 \quad 6 \quad 8 \quad 12 \quad 15 \quad 10 \quad 60 \quad 14 \end{array}$$

$$\begin{array}{r} \times \frac{11}{12} \times \frac{12}{12} \div \frac{84}{12} \times \frac{12}{13} \div \frac{12}{12} \times \frac{12}{5} \times \frac{10}{12} \times \frac{12}{10} \div \frac{180}{12} \div \frac{60}{12} \\ \hline 132 \quad 144 \quad 7 \quad 156 \quad 1 \quad 60 \quad 120 \quad 120 \quad 15 \quad 5 \end{array}$$

$$\begin{array}{r} \times \frac{4}{12} \times \frac{8}{12} \times \frac{5}{12} \times \frac{12}{11} \div \frac{60}{12} \div \frac{132}{12} \times \frac{9}{12} \div \frac{72}{12} \div \frac{24}{12} \times \frac{12}{10} \\ \hline 48 \quad 96 \quad 60 \quad 132 \quad 5 \quad 11 \quad 108 \quad 6 \quad 2 \quad 120 \end{array}$$

$$\begin{array}{r} \div \frac{120}{12} \times \frac{14}{12} \div \frac{84}{12} \div \frac{120}{12} \div \frac{180}{12} \times \frac{12}{3} \times \frac{15}{12} \times \frac{12}{9} \div \frac{144}{12} \times \frac{12}{5} \\ \hline 10 \quad 168 \quad 7 \quad 10 \quad 15 \quad 36 \quad 180 \quad 108 \quad 12 \quad 60 \end{array}$$

$$\begin{array}{r} \div \frac{60}{12} \times \frac{12}{9} \div \frac{180}{12} \div \frac{60}{12} \times \frac{12}{1} \times \frac{12}{11} \div \frac{96}{12} \div \frac{36}{12} \times \frac{12}{5} \times \frac{12}{15} \\ \hline 5 \quad 108 \quad 15 \quad 5 \quad 12 \quad 132 \quad 8 \quad 3 \quad 60 \quad 180 \end{array}$$

$$\begin{array}{r} \div \frac{168}{12} \times \frac{8}{12} \div \frac{96}{12} \times \frac{9}{12} \times \frac{12}{12} \div \frac{96}{12} \div \frac{36}{12} \times \frac{12}{13} \div \frac{180}{12} \times \frac{13}{12} \\ \hline 14 \quad 96 \quad 8 \quad 108 \quad 144 \quad 8 \quad 3 \quad 156 \quad 15 \quad 156 \end{array}$$

$$\begin{array}{r} \times \frac{12}{4} \times \frac{4}{12} \div \frac{84}{12} \div \frac{84}{12} \div \frac{156}{12} \times \frac{2}{12} \times \frac{12}{4} \times \frac{2}{12} \div \frac{36}{12} \div \frac{96}{12} \\ \hline 48 \quad 48 \quad 7 \quad 7 \quad 13 \quad 24 \quad 48 \quad 24 \quad 3 \quad 8 \end{array}$$

Opérations Mixtes (F)

Effectuez chaque opération.

$$\div \frac{60}{12} \times \frac{8}{12} \times \frac{12}{2} \div \frac{72}{12} \times \frac{12}{15} \div \frac{144}{12} \div \frac{72}{12} \div \frac{72}{12} \times \frac{12}{7} \div \frac{144}{12}$$

$$\times \frac{10}{12} \times \frac{12}{14} \div \frac{48}{12} \times \frac{11}{12} \div \frac{84}{12} \times \frac{3}{12} \times \frac{5}{12} \div \frac{132}{12} \div \frac{144}{12} \times \frac{12}{10}$$

$$\times \frac{13}{12} \div \frac{132}{12} \times \frac{12}{3} \div \frac{180}{12} \times \frac{12}{7} \div \frac{48}{12} \times \frac{12}{11} \times \frac{1}{12} \div \frac{72}{12} \times \frac{12}{6}$$

$$\div \frac{24}{12} \times \frac{13}{12} \div \frac{156}{12} \times \frac{13}{12} \div \frac{48}{12} \times \frac{12}{4} \div \frac{168}{12} \div \frac{168}{12} \times \frac{12}{10} \times \frac{12}{11}$$

$$\div \frac{168}{12} \div \frac{24}{12} \times \frac{12}{1} \div \frac{96}{12} \div \frac{72}{12} \times \frac{12}{8} \div \frac{180}{12} \div \frac{60}{12} \div \frac{84}{12} \times \frac{12}{13}$$

$$\times \frac{12}{1} \times \frac{12}{6} \div \frac{120}{12} \div \frac{180}{12} \times \frac{12}{2} \div \frac{60}{12} \times \frac{12}{5} \div \frac{180}{12} \times \frac{14}{12} \times \frac{11}{12}$$

$$\div \frac{24}{12} \div \frac{48}{12} \div \frac{84}{12} \times \frac{12}{10} \div \frac{60}{12} \div \frac{24}{12} \div \frac{12}{12} \div \frac{96}{12} \div \frac{96}{12} \times \frac{12}{10}$$

$$\div \frac{12}{12} \div \frac{84}{12} \times \frac{12}{9} \div \frac{12}{12} \div \frac{12}{12} \times \frac{2}{12} \times \frac{3}{12} \div \frac{96}{12} \times \frac{2}{12} \times \frac{12}{11}$$

$$\div \frac{108}{12} \times \frac{12}{3} \div \frac{156}{12} \times \frac{6}{12} \times \frac{1}{12} \div \frac{156}{12} \times \frac{12}{8} \div \frac{60}{12} \div \frac{168}{12} \times \frac{12}{12}$$

$$\div \frac{120}{12} \div \frac{168}{12} \times \frac{4}{12} \times \frac{13}{12} \div \frac{72}{12} \div \frac{72}{12} \times \frac{5}{12} \times \frac{12}{3} \div \frac{60}{12} \div \frac{168}{12}$$

Opérations Mixtes Solutions (F)

Effectuez chaque opération.

$\div \frac{60}{12}$	$\times \frac{8}{12}$	$\times \frac{12}{2}$	$\div \frac{72}{12}$	$\times \frac{12}{15}$	$\div \frac{144}{12}$	$\div \frac{72}{12}$	$\div \frac{72}{12}$	$\times \frac{12}{7}$	$\div \frac{144}{12}$
5	96	24	6	180	12	6	6	84	12
$\times \frac{10}{12}$	$\times \frac{12}{14}$	$\div \frac{48}{12}$	$\times \frac{11}{12}$	$\div \frac{84}{12}$	$\times \frac{3}{12}$	$\times \frac{5}{12}$	$\div \frac{132}{12}$	$\div \frac{144}{12}$	$\times \frac{12}{10}$
120	168	4	132	7	36	60	11	12	120
$\times \frac{13}{12}$	$\div \frac{132}{12}$	$\times \frac{12}{3}$	$\div \frac{180}{12}$	$\times \frac{12}{7}$	$\div \frac{48}{12}$	$\times \frac{12}{11}$	$\times \frac{1}{12}$	$\div \frac{72}{12}$	$\times \frac{12}{6}$
156	11	36	15	84	4	132	12	6	72
$\div \frac{24}{12}$	$\times \frac{13}{12}$	$\div \frac{156}{12}$	$\times \frac{13}{12}$	$\div \frac{48}{12}$	$\times \frac{12}{4}$	$\div \frac{168}{12}$	$\div \frac{168}{12}$	$\times \frac{12}{10}$	$\times \frac{12}{11}$
2	156	13	156	4	48	14	14	120	132
$\div \frac{168}{12}$	$\div \frac{24}{12}$	$\times \frac{12}{1}$	$\div \frac{96}{12}$	$\div \frac{72}{12}$	$\times \frac{12}{8}$	$\div \frac{180}{12}$	$\div \frac{60}{12}$	$\div \frac{84}{12}$	$\times \frac{12}{13}$
14	2	12	8	6	96	15	5	7	156
$\times \frac{12}{1}$	$\times \frac{12}{6}$	$\div \frac{120}{12}$	$\div \frac{180}{12}$	$\times \frac{12}{2}$	$\div \frac{60}{12}$	$\times \frac{12}{5}$	$\div \frac{180}{12}$	$\times \frac{14}{12}$	$\times \frac{11}{12}$
12	72	10	15	24	5	60	15	168	132
$\div \frac{24}{12}$	$\div \frac{48}{12}$	$\div \frac{84}{12}$	$\times \frac{12}{10}$	$\div \frac{60}{12}$	$\div \frac{24}{12}$	$\div \frac{12}{12}$	$\div \frac{96}{12}$	$\div \frac{96}{12}$	$\times \frac{12}{10}$
2	4	7	120	5	2	1	8	8	120
$\div \frac{12}{12}$	$\div \frac{84}{12}$	$\times \frac{12}{9}$	$\div \frac{12}{12}$	$\div \frac{12}{12}$	$\times \frac{2}{12}$	$\times \frac{3}{12}$	$\div \frac{96}{12}$	$\times \frac{2}{12}$	$\times \frac{12}{11}$
1	7	108	1	1	24	36	8	24	132
$\div \frac{108}{12}$	$\times \frac{12}{3}$	$\div \frac{156}{12}$	$\times \frac{6}{12}$	$\times \frac{1}{12}$	$\div \frac{156}{12}$	$\times \frac{12}{8}$	$\div \frac{60}{12}$	$\div \frac{168}{12}$	$\times \frac{12}{12}$
9	36	13	72	12	13	96	5	14	144
$\div \frac{120}{12}$	$\div \frac{168}{12}$	$\times \frac{4}{12}$	$\times \frac{13}{12}$	$\div \frac{72}{12}$	$\div \frac{72}{12}$	$\times \frac{5}{12}$	$\times \frac{12}{3}$	$\div \frac{60}{12}$	$\div \frac{168}{12}$
10	14	48	156	6	6	60	36	5	14

Opérations Mixtes (G)

Effectuez chaque opération.

$$\div \frac{132}{12} \times \frac{8}{12} \div \frac{156}{12} \times \frac{9}{12} \times \frac{10}{12} \div \frac{180}{12} \times \frac{12}{1} \times \frac{12}{9} \times \frac{7}{12} \div \frac{24}{12}$$

$$\div \frac{84}{12} \div \frac{144}{12} \div \frac{180}{12} \times \frac{15}{12} \div \frac{132}{12} \times \frac{14}{12} \times \frac{13}{12} \times \frac{12}{4} \div \frac{96}{12} \div \frac{96}{12}$$

$$\div \frac{132}{12} \div \frac{96}{12} \div \frac{168}{12} \times \frac{4}{12} \times \frac{13}{12} \times \frac{6}{12} \times \frac{14}{12} \times \frac{12}{4} \div \frac{48}{12} \times \frac{8}{12}$$

$$\div \frac{168}{12} \times \frac{11}{12} \div \frac{108}{12} \div \frac{60}{12} \times \frac{12}{12} \div \frac{132}{12} \div \frac{156}{12} \times \frac{12}{14} \times \frac{4}{12} \div \frac{36}{12}$$

$$\times \frac{8}{12} \times \frac{15}{12} \div \frac{36}{12} \div \frac{108}{12} \times \frac{12}{12} \div \frac{168}{12} \times \frac{5}{12} \div \frac{156}{12} \times \frac{12}{8} \div \frac{72}{12}$$

$$\div \frac{48}{12} \div \frac{48}{12} \div \frac{24}{12} \div \frac{156}{12} \times \frac{12}{10} \times \frac{12}{3} \div \frac{96}{12} \div \frac{12}{12} \times \frac{12}{12} \times \frac{12}{4}$$

$$\times \frac{3}{12} \times \frac{3}{12} \div \frac{48}{12} \times \frac{9}{12} \div \frac{120}{12} \times \frac{9}{12} \times \frac{12}{8} \times \frac{12}{4} \div \frac{96}{12} \div \frac{96}{12}$$

$$\times \frac{1}{12} \times \frac{12}{15} \times \frac{12}{5} \times \frac{12}{1} \times \frac{3}{12} \div \frac{168}{12} \times \frac{15}{12} \times \frac{12}{3} \div \frac{24}{12} \div \frac{120}{12}$$

$$\times \frac{12}{13} \div \frac{156}{12} \times \frac{12}{14} \div \frac{24}{12} \times \frac{7}{12} \times \frac{12}{15} \div \frac{72}{12} \times \frac{3}{12} \times \frac{12}{1} \div \frac{72}{12}$$

$$\div \frac{168}{12} \times \frac{12}{5} \div \frac{168}{12} \div \frac{12}{12} \times \frac{6}{12} \times \frac{12}{12} \times \frac{10}{12} \div \frac{96}{12} \times \frac{2}{12} \times \frac{12}{13}$$

Opérations Mixtes Solutions (G)

Effectuez chaque opération.

$$\begin{array}{cccccccccc} \div & \frac{132}{12} & \times & \frac{8}{12} & \div & \frac{156}{12} & \times & \frac{9}{12} & \times & \frac{10}{12} & \div & \frac{180}{12} & \times & \frac{12}{1} & \times & \frac{12}{9} & \times & \frac{7}{12} & \div & \frac{24}{12} \\ & 11 & & 96 & & 13 & & 108 & & 120 & & 15 & & 12 & & 108 & & 84 & & 2 \end{array}$$

$$\begin{array}{cccccccccc} \div & \frac{84}{12} & \div & \frac{144}{12} & \div & \frac{180}{12} & \times & \frac{15}{12} & \div & \frac{132}{12} & \times & \frac{14}{12} & \times & \frac{13}{12} & \times & \frac{12}{4} & \div & \frac{96}{12} & \div & \frac{96}{12} \\ & 7 & & 12 & & 15 & & 180 & & 11 & & 168 & & 156 & & 48 & & 8 & & 8 \end{array}$$

$$\begin{array}{cccccccccc} \div & \frac{132}{12} & \div & \frac{96}{12} & \div & \frac{168}{12} & \times & \frac{4}{12} & \times & \frac{13}{12} & \times & \frac{6}{12} & \times & \frac{14}{12} & \times & \frac{12}{4} & \div & \frac{48}{12} & \times & \frac{8}{12} \\ & 11 & & 8 & & 14 & & 48 & & 156 & & 72 & & 168 & & 48 & & 4 & & 96 \end{array}$$

$$\begin{array}{cccccccccc} \div & \frac{168}{12} & \times & \frac{11}{12} & \div & \frac{108}{12} & \div & \frac{60}{12} & \times & \frac{12}{12} & \div & \frac{132}{12} & \div & \frac{156}{12} & \times & \frac{12}{14} & \times & \frac{4}{12} & \div & \frac{36}{12} \\ & 14 & & 132 & & 9 & & 5 & & 144 & & 11 & & 13 & & 168 & & 48 & & 3 \end{array}$$

$$\begin{array}{cccccccccc} \times & \frac{8}{12} & \times & \frac{15}{12} & \div & \frac{36}{12} & \div & \frac{108}{12} & \times & \frac{12}{12} & \div & \frac{168}{12} & \times & \frac{5}{12} & \div & \frac{156}{12} & \times & \frac{12}{8} & \div & \frac{72}{12} \\ & 96 & & 180 & & 3 & & 9 & & 144 & & 14 & & 60 & & 13 & & 96 & & 6 \end{array}$$

$$\begin{array}{cccccccccc} \div & \frac{48}{12} & \div & \frac{48}{12} & \div & \frac{24}{12} & \div & \frac{156}{12} & \times & \frac{12}{10} & \times & \frac{12}{3} & \div & \frac{96}{12} & \div & \frac{12}{12} & \times & \frac{12}{12} & \times & \frac{12}{4} \\ & 4 & & 4 & & 2 & & 13 & & 120 & & 36 & & 8 & & 1 & & 144 & & 48 \end{array}$$

$$\begin{array}{cccccccccc} \times & \frac{3}{12} & \times & \frac{3}{12} & \div & \frac{48}{12} & \times & \frac{9}{12} & \div & \frac{120}{12} & \times & \frac{9}{12} & \times & \frac{12}{8} & \times & \frac{12}{4} & \div & \frac{96}{12} & \div & \frac{96}{12} \\ & 36 & & 36 & & 4 & & 108 & & 10 & & 108 & & 96 & & 48 & & 8 & & 8 \end{array}$$

$$\begin{array}{cccccccccc} \times & \frac{1}{12} & \times & \frac{12}{15} & \times & \frac{12}{5} & \times & \frac{12}{1} & \times & \frac{3}{12} & \div & \frac{168}{12} & \times & \frac{15}{12} & \times & \frac{12}{3} & \div & \frac{24}{12} & \div & \frac{120}{12} \\ & 12 & & 180 & & 60 & & 12 & & 36 & & 14 & & 180 & & 36 & & 2 & & 10 \end{array}$$

$$\begin{array}{cccccccccc} \times & \frac{12}{13} & \div & \frac{156}{12} & \times & \frac{12}{14} & \div & \frac{24}{12} & \times & \frac{7}{12} & \times & \frac{12}{15} & \div & \frac{72}{12} & \times & \frac{3}{12} & \times & \frac{12}{1} & \div & \frac{72}{12} \\ & 156 & & 13 & & 168 & & 2 & & 84 & & 180 & & 6 & & 36 & & 12 & & 6 \end{array}$$

$$\begin{array}{cccccccccc} \div & \frac{168}{12} & \times & \frac{12}{5} & \div & \frac{168}{12} & \div & \frac{12}{12} & \times & \frac{6}{12} & \times & \frac{12}{12} & \times & \frac{10}{12} & \div & \frac{96}{12} & \times & \frac{2}{12} & \times & \frac{12}{13} \\ & 14 & & 60 & & 14 & & 1 & & 72 & & 144 & & 120 & & 8 & & 24 & & 156 \end{array}$$

Opérations Mixtes (H)

Effectuez chaque opération.

$$\times \frac{6}{12} \div \frac{60}{12} \div \frac{96}{12} \div \frac{144}{12} \div \frac{84}{12} \times \frac{1}{12} \times \frac{14}{12} \times \frac{7}{12} \times \frac{12}{10} \times \frac{12}{12}$$

$$\div \frac{60}{12} \times \frac{12}{11} \times \frac{3}{12} \times \frac{12}{12} \div \frac{60}{12} \div \frac{84}{12} \times \frac{12}{4} \div \frac{24}{12} \times \frac{12}{12} \div \frac{72}{12}$$

$$\div \frac{132}{12} \times \frac{7}{12} \div \frac{108}{12} \div \frac{180}{12} \times \frac{13}{12} \times \frac{5}{12} \times \frac{12}{3} \times \frac{12}{12} \div \frac{12}{12} \times \frac{9}{12}$$

$$\div \frac{72}{12} \times \frac{12}{13} \times \frac{12}{12} \times \frac{13}{12} \times \frac{10}{12} \times \frac{12}{9} \times \frac{7}{12} \times \frac{15}{12} \times \frac{6}{12} \times \frac{12}{3}$$

$$\div \frac{48}{12} \div \frac{48}{12} \div \frac{60}{12} \times \frac{5}{12} \times \frac{12}{12} \times \frac{7}{12} \times \frac{12}{12} \div \frac{48}{12} \div \frac{84}{12} \times \frac{2}{12}$$

$$\div \frac{108}{12} \times \frac{12}{4} \times \frac{12}{4} \times \frac{3}{12} \times \frac{15}{12} \div \frac{120}{12} \times \frac{12}{1} \times \frac{12}{1} \times \frac{12}{12} \div \frac{60}{12}$$

$$\div \frac{12}{12} \div \frac{60}{12} \div \frac{144}{12} \times \frac{1}{12} \times \frac{12}{15} \times \frac{2}{12} \div \frac{108}{12} \times \frac{12}{2} \div \frac{168}{12} \times \frac{12}{4}$$

$$\div \frac{84}{12} \div \frac{144}{12} \times \frac{12}{13} \times \frac{12}{11} \div \frac{132}{12} \times \frac{12}{3} \times \frac{3}{12} \div \frac{144}{12} \div \frac{180}{12} \times \frac{12}{5}$$

$$\div \frac{120}{12} \times \frac{12}{2} \times \frac{12}{12} \div \frac{168}{12} \times \frac{12}{1} \div \frac{48}{12} \times \frac{12}{8} \times \frac{12}{3} \div \frac{144}{12} \div \frac{156}{12}$$

$$\div \frac{36}{12} \div \frac{84}{12} \div \frac{84}{12} \div \frac{168}{12} \times \frac{12}{1} \times \frac{6}{12} \div \frac{132}{12} \div \frac{108}{12} \times \frac{12}{13} \times \frac{12}{15}$$

Opérations Mixtes Solutions (H)

Effectuez chaque opération.

$\times \frac{6}{12}$	$\div \frac{60}{12}$	$\div \frac{96}{12}$	$\div \frac{144}{12}$	$\div \frac{84}{12}$	$\times \frac{1}{12}$	$\times \frac{14}{12}$	$\times \frac{7}{12}$	$\times \frac{12}{10}$	$\times \frac{12}{12}$
72	5	8	12	7	12	168	84	120	144
$\div \frac{60}{12}$	$\times \frac{12}{11}$	$\times \frac{3}{12}$	$\times \frac{12}{12}$	$\div \frac{60}{12}$	$\div \frac{84}{12}$	$\times \frac{12}{4}$	$\div \frac{24}{12}$	$\times \frac{12}{12}$	$\div \frac{72}{12}$
5	132	36	144	5	7	48	2	144	6
$\div \frac{132}{12}$	$\times \frac{7}{12}$	$\div \frac{108}{12}$	$\div \frac{180}{12}$	$\times \frac{13}{12}$	$\times \frac{5}{12}$	$\times \frac{12}{3}$	$\times \frac{12}{12}$	$\div \frac{12}{12}$	$\times \frac{9}{12}$
11	84	9	15	156	60	36	144	1	108
$\div \frac{72}{12}$	$\times \frac{12}{13}$	$\times \frac{12}{12}$	$\times \frac{13}{12}$	$\times \frac{10}{12}$	$\times \frac{12}{9}$	$\times \frac{7}{12}$	$\times \frac{15}{12}$	$\times \frac{6}{12}$	$\times \frac{12}{3}$
6	156	144	156	120	108	84	180	72	36
$\div \frac{48}{12}$	$\div \frac{48}{12}$	$\div \frac{60}{12}$	$\times \frac{5}{12}$	$\times \frac{12}{12}$	$\times \frac{7}{12}$	$\times \frac{12}{12}$	$\div \frac{48}{12}$	$\div \frac{84}{12}$	$\times \frac{2}{12}$
4	4	5	60	144	84	144	4	7	24
$\div \frac{108}{12}$	$\times \frac{12}{4}$	$\times \frac{12}{4}$	$\times \frac{3}{12}$	$\times \frac{15}{12}$	$\div \frac{120}{12}$	$\times \frac{12}{1}$	$\times \frac{12}{1}$	$\times \frac{12}{12}$	$\div \frac{60}{12}$
9	48	48	36	180	10	12	12	144	5
$\div \frac{12}{12}$	$\div \frac{60}{12}$	$\div \frac{144}{12}$	$\times \frac{1}{12}$	$\times \frac{12}{15}$	$\times \frac{12}{12}$	$\div \frac{108}{12}$	$\times \frac{12}{2}$	$\div \frac{168}{12}$	$\times \frac{12}{4}$
1	5	12	12	180	24	9	24	14	48
$\div \frac{84}{12}$	$\div \frac{144}{12}$	$\times \frac{12}{13}$	$\times \frac{12}{11}$	$\div \frac{132}{12}$	$\times \frac{12}{3}$	$\times \frac{144}{12}$	$\div \frac{180}{12}$	$\div \frac{12}{12}$	$\times \frac{12}{5}$
7	12	156	132	11	36	36	12	15	60
$\div \frac{120}{12}$	$\times \frac{12}{2}$	$\times \frac{12}{12}$	$\div \frac{168}{12}$	$\times \frac{12}{1}$	$\div \frac{48}{12}$	$\times \frac{12}{8}$	$\times \frac{12}{3}$	$\div \frac{144}{12}$	$\div \frac{156}{12}$
10	24	144	14	12	4	96	36	12	13
$\div \frac{36}{12}$	$\div \frac{84}{12}$	$\div \frac{84}{12}$	$\div \frac{168}{12}$	$\times \frac{12}{1}$	$\times \frac{6}{12}$	$\div \frac{132}{12}$	$\div \frac{108}{12}$	$\times \frac{12}{13}$	$\times \frac{12}{15}$
3	7	7	14	12	72	11	9	156	180

Opérations Mixtes (I)

Effectuez chaque opération.

$$\times \frac{9}{12} \times \frac{12}{2} \div \frac{108}{12} \times \frac{12}{2} \times \frac{12}{9} \div \frac{156}{12} \times \frac{5}{12} \times \frac{12}{8} \times \frac{12}{1} \div \frac{48}{12}$$

$$\div \frac{60}{12} \times \frac{12}{5} \times \frac{13}{12} \div \frac{84}{12} \div \frac{156}{12} \div \frac{72}{12} \times \frac{13}{12} \div \frac{144}{12} \times \frac{12}{14} \times \frac{7}{12}$$

$$\times \frac{12}{11} \times \frac{12}{1} \times \frac{10}{12} \div \frac{144}{12} \div \frac{120}{12} \div \frac{84}{12} \times \frac{7}{12} \times \frac{12}{11} \div \frac{120}{12} \times \frac{14}{12}$$

$$\times \frac{6}{12} \times \frac{12}{8} \times \frac{4}{12} \div \frac{12}{12} \div \frac{72}{12} \div \frac{84}{12} \times \frac{13}{12} \times \frac{11}{12} \times \frac{12}{11} \times \frac{14}{12}$$

$$\div \frac{132}{12} \times \frac{12}{8} \times \frac{12}{15} \div \frac{180}{12} \div \frac{60}{12} \times \frac{1}{12} \div \frac{132}{12} \div \frac{96}{12} \div \frac{108}{12} \div \frac{132}{12}$$

$$\times \frac{5}{12} \times \frac{4}{12} \div \frac{72}{12} \times \frac{12}{7} \times \frac{12}{5} \div \frac{144}{12} \div \frac{84}{12} \div \frac{12}{12} \times \frac{12}{6} \times \frac{14}{12}$$

$$\div \frac{120}{12} \div \frac{132}{12} \div \frac{72}{12} \times \frac{12}{5} \div \frac{156}{12} \times \frac{12}{8} \times \frac{12}{6} \times \frac{11}{12} \times \frac{5}{12} \times \frac{11}{12}$$

$$\times \frac{4}{12} \div \frac{12}{12} \times \frac{12}{6} \times \frac{12}{9} \times \frac{12}{14} \div \frac{108}{12} \times \frac{10}{12} \div \frac{180}{12} \div \frac{60}{12} \times \frac{12}{1}$$

$$\div \frac{120}{12} \times \frac{5}{12} \times \frac{12}{15} \times \frac{10}{12} \times \frac{12}{7} \times \frac{5}{12} \times \frac{12}{2} \times \frac{13}{12} \div \frac{168}{12} \div \frac{36}{12}$$

$$\times \frac{14}{12} \times \frac{1}{12} \div \frac{72}{12} \times \frac{12}{6} \times \frac{12}{9} \times \frac{13}{12} \times \frac{7}{12} \times \frac{1}{12} \div \frac{180}{12} \times \frac{4}{12}$$

Opérations Mixtes Solutions (I)

Effectuez chaque opération.

$\times \frac{9}{12}$	$\times \frac{12}{2}$	$\div \frac{108}{12}$	$\times \frac{12}{2}$	$\times \frac{12}{9}$	$\div \frac{156}{12}$	$\times \frac{5}{12}$	$\times \frac{12}{8}$	$\times \frac{12}{1}$	$\div \frac{48}{12}$
108	24	9	24	108	13	60	96	12	4
$\div \frac{60}{12}$	$\times \frac{12}{5}$	$\times \frac{13}{12}$	$\div \frac{84}{12}$	$\div \frac{156}{12}$	$\div \frac{72}{12}$	$\times \frac{13}{12}$	$\div \frac{144}{12}$	$\times \frac{12}{14}$	$\times \frac{7}{12}$
5	60	156	7	13	6	156	12	168	84
$\times \frac{12}{11}$	$\times \frac{12}{1}$	$\times \frac{10}{12}$	$\div \frac{144}{12}$	$\div \frac{120}{12}$	$\div \frac{84}{12}$	$\times \frac{7}{12}$	$\times \frac{12}{11}$	$\div \frac{120}{12}$	$\times \frac{14}{12}$
132	12	120	12	10	7	84	132	10	168
$\times \frac{6}{12}$	$\times \frac{12}{8}$	$\times \frac{4}{12}$	$\div \frac{12}{12}$	$\div \frac{72}{12}$	$\div \frac{84}{12}$	$\times \frac{13}{12}$	$\times \frac{11}{12}$	$\times \frac{12}{11}$	$\times \frac{14}{12}$
72	96	48	1	6	7	156	132	132	168
$\div \frac{132}{12}$	$\times \frac{12}{8}$	$\times \frac{12}{15}$	$\div \frac{180}{12}$	$\div \frac{60}{12}$	$\times \frac{1}{12}$	$\div \frac{132}{12}$	$\div \frac{96}{12}$	$\div \frac{108}{12}$	$\div \frac{132}{12}$
11	96	180	15	5	12	11	8	9	11
$\times \frac{5}{12}$	$\times \frac{4}{12}$	$\div \frac{72}{12}$	$\times \frac{12}{7}$	$\times \frac{12}{5}$	$\div \frac{144}{12}$	$\div \frac{84}{12}$	$\div \frac{12}{12}$	$\times \frac{12}{6}$	$\times \frac{14}{12}$
60	48	6	84	60	12	7	1	72	168
$\div \frac{120}{12}$	$\div \frac{132}{12}$	$\div \frac{72}{12}$	$\times \frac{12}{5}$	$\div \frac{156}{12}$	$\times \frac{12}{8}$	$\times \frac{12}{6}$	$\times \frac{11}{12}$	$\times \frac{5}{12}$	$\times \frac{11}{12}$
10	11	6	60	13	96	72	132	60	132
$\times \frac{4}{12}$	$\div \frac{12}{12}$	$\times \frac{12}{6}$	$\times \frac{12}{9}$	$\times \frac{12}{14}$	$\div \frac{108}{12}$	$\times \frac{10}{12}$	$\div \frac{180}{12}$	$\div \frac{60}{12}$	$\times \frac{12}{1}$
48	1	72	108	168	9	120	15	5	12
$\div \frac{120}{12}$	$\times \frac{5}{12}$	$\times \frac{12}{15}$	$\times \frac{10}{12}$	$\times \frac{12}{7}$	$\times \frac{5}{12}$	$\times \frac{12}{2}$	$\times \frac{13}{12}$	$\div \frac{168}{12}$	$\div \frac{36}{12}$
10	60	180	120	84	60	24	156	14	3
$\times \frac{14}{12}$	$\times \frac{1}{12}$	$\div \frac{72}{12}$	$\times \frac{12}{6}$	$\times \frac{12}{9}$	$\times \frac{13}{12}$	$\times \frac{7}{12}$	$\times \frac{1}{12}$	$\div \frac{180}{12}$	$\times \frac{4}{12}$
168	12	6	72	108	156	84	12	15	48

Opérations Mixtes (J)

Effectuez chaque opération.

$$\times \frac{6}{12} \times \frac{7}{12} \div \frac{96}{12} \times \frac{12}{14} \times \frac{10}{12} \div \frac{72}{12} \div \frac{84}{12} \div \frac{96}{12} \times \frac{12}{2} \div \frac{60}{12}$$

$$\times \frac{10}{12} \div \frac{132}{12} \times \frac{13}{12} \times \frac{12}{7} \div \frac{36}{12} \times \frac{9}{12} \div \frac{48}{12} \div \frac{24}{12} \div \frac{96}{12} \div \frac{120}{12}$$

$$\times \frac{12}{15} \times \frac{12}{12} \times \frac{1}{12} \div \frac{36}{12} \div \frac{168}{12} \times \frac{12}{13} \div \frac{96}{12} \div \frac{168}{12} \div \frac{120}{12} \div \frac{72}{12}$$

$$\times \frac{12}{10} \div \frac{24}{12} \div \frac{96}{12} \div \frac{132}{12} \div \frac{96}{12} \times \frac{10}{12} \times \frac{3}{12} \div \frac{60}{12} \div \frac{96}{12} \times \frac{15}{12}$$

$$\div \frac{48}{12} \div \frac{180}{12} \times \frac{12}{3} \div \frac{132}{12} \div \frac{180}{12} \times \frac{12}{6} \times \frac{12}{8} \div \frac{120}{12} \times \frac{2}{12} \times \frac{12}{2}$$

$$\times \frac{14}{12} \div \frac{96}{12} \times \frac{9}{12} \div \frac{84}{12} \times \frac{6}{12} \div \frac{120}{12} \times \frac{2}{12} \div \frac{144}{12} \times \frac{11}{12} \times \frac{10}{12}$$

$$\times \frac{1}{12} \div \frac{24}{12} \times \frac{10}{12} \div \frac{48}{12} \times \frac{9}{12} \div \frac{132}{12} \div \frac{168}{12} \div \frac{120}{12} \div \frac{108}{12} \div \frac{132}{12}$$

$$\times \frac{6}{12} \times \frac{2}{12} \div \frac{180}{12} \times \frac{5}{12} \times \frac{11}{12} \div \frac{156}{12} \div \frac{120}{12} \div \frac{72}{12} \times \frac{12}{7} \times \frac{2}{12}$$

$$\div \frac{120}{12} \times \frac{9}{12} \div \frac{144}{12} \div \frac{180}{12} \div \frac{84}{12} \times \frac{12}{2} \times \frac{12}{8} \div \frac{132}{12} \div \frac{12}{12} \div \frac{60}{12}$$

$$\times \frac{13}{12} \times \frac{14}{12} \times \frac{12}{12} \times \frac{11}{12} \times \frac{5}{12} \times \frac{12}{7} \div \frac{36}{12} \times \frac{12}{8} \div \frac{72}{12} \div \frac{120}{12}$$

Opérations Mixtes Solutions (J)

Effectuez chaque opération.

$\times \frac{6}{12}$	$\times \frac{7}{12}$	$\div \frac{96}{12}$	$\times \frac{12}{14}$	$\times \frac{10}{12}$	$\div \frac{72}{12}$	$\div \frac{84}{12}$	$\div \frac{96}{12}$	$\times \frac{12}{2}$	$\div \frac{60}{12}$
72	84	8	168	120	6	7	8	24	5
$\times \frac{10}{12}$	$\div \frac{132}{12}$	$\times \frac{13}{12}$	$\times \frac{12}{7}$	$\div \frac{36}{12}$	$\times \frac{9}{12}$	$\div \frac{48}{12}$	$\div \frac{24}{12}$	$\div \frac{96}{12}$	$\div \frac{120}{12}$
120	11	156	84	3	108	4	2	8	10
$\times \frac{12}{15}$	$\times \frac{12}{12}$	$\times \frac{1}{12}$	$\div \frac{36}{12}$	$\div \frac{168}{12}$	$\times \frac{12}{13}$	$\div \frac{96}{12}$	$\div \frac{168}{12}$	$\div \frac{120}{12}$	$\div \frac{72}{12}$
180	144	12	3	14	156	8	14	10	6
$\times \frac{12}{10}$	$\div \frac{24}{12}$	$\div \frac{96}{12}$	$\div \frac{132}{12}$	$\div \frac{96}{12}$	$\times \frac{10}{12}$	$\times \frac{3}{12}$	$\div \frac{60}{12}$	$\div \frac{96}{12}$	$\times \frac{15}{12}$
120	2	8	11	8	120	36	5	8	180
$\div \frac{48}{12}$	$\div \frac{180}{12}$	$\times \frac{12}{3}$	$\div \frac{132}{12}$	$\div \frac{180}{12}$	$\times \frac{12}{6}$	$\times \frac{12}{8}$	$\div \frac{120}{12}$	$\times \frac{2}{12}$	$\times \frac{12}{2}$
4	15	36	11	15	72	96	10	24	24
$\times \frac{14}{12}$	$\div \frac{96}{12}$	$\times \frac{9}{12}$	$\div \frac{84}{12}$	$\times \frac{6}{12}$	$\div \frac{120}{12}$	$\times \frac{2}{12}$	$\div \frac{144}{12}$	$\times \frac{11}{12}$	$\times \frac{10}{12}$
168	8	108	7	72	10	24	12	132	120
$\times \frac{1}{12}$	$\div \frac{24}{12}$	$\times \frac{10}{12}$	$\div \frac{48}{12}$	$\times \frac{9}{12}$	$\div \frac{132}{12}$	$\div \frac{168}{12}$	$\div \frac{120}{12}$	$\div \frac{108}{12}$	$\div \frac{132}{12}$
12	2	120	4	108	11	14	10	9	11
$\times \frac{6}{12}$	$\times \frac{2}{12}$	$\div \frac{180}{12}$	$\times \frac{5}{12}$	$\times \frac{11}{12}$	$\div \frac{156}{12}$	$\div \frac{120}{12}$	$\div \frac{72}{12}$	$\times \frac{12}{7}$	$\times \frac{2}{12}$
72	24	15	60	132	13	10	6	84	24
$\div \frac{120}{12}$	$\times \frac{9}{12}$	$\div \frac{144}{12}$	$\div \frac{180}{12}$	$\div \frac{84}{12}$	$\times \frac{12}{2}$	$\times \frac{12}{8}$	$\div \frac{132}{12}$	$\div \frac{12}{12}$	$\div \frac{60}{12}$
10	108	12	15	7	24	96	11	1	5
$\times \frac{13}{12}$	$\times \frac{14}{12}$	$\times \frac{12}{12}$	$\times \frac{11}{12}$	$\times \frac{5}{12}$	$\times \frac{12}{7}$	$\div \frac{36}{12}$	$\times \frac{12}{8}$	$\div \frac{72}{12}$	$\div \frac{120}{12}$
156	168	144	132	60	84	3	96	6	10