

# 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                     |