

Topic : Division of fractions Memo

$$\begin{aligned}
 1 \quad & \frac{3}{5} \div \frac{1}{2} \\
 & = \frac{3}{5} \times \frac{2}{1} \\
 & = \frac{6}{5} \\
 & = 1\frac{1}{5}
 \end{aligned}$$

$$\begin{aligned}
 2 \quad & \frac{1}{4} \div \frac{1}{3} \\
 & = \frac{1}{4} \times \frac{3}{1} \\
 & = \frac{3}{4}
 \end{aligned}$$

$$\begin{aligned}
 3 \quad & \frac{2}{9} \div \frac{4}{6} \\
 & = \frac{2}{9} \times \frac{6}{4} \\
 & = \frac{2 \times 6}{9 \times 4} \\
 & = \frac{12}{36} \\
 & = \frac{1}{3}
 \end{aligned}$$

$$\begin{aligned}
 4 \quad & \frac{12}{15} \div \frac{10}{12} \\
 & = \frac{4}{5} \times \frac{6}{5} \\
 & = \frac{24}{25}
 \end{aligned}$$

$$\begin{aligned}
 5 \quad & \frac{8}{13} \div 4 \\
 & = \frac{8}{13} \times \frac{1}{4} \\
 & = \frac{8}{52} \\
 & = \frac{2}{13}
 \end{aligned}$$

$$6 \quad 3\frac{2}{3} \div 1\frac{1}{3}$$

$$\begin{aligned}
 &= \frac{11}{3} \times \frac{4}{3} \\
 &= \frac{11 \times 4}{3 \times 3} \\
 &= \frac{33}{12} \\
 &= 2 \frac{11}{12}
 \end{aligned}$$

7

$$\begin{aligned}
 &8 \frac{4}{5} \div 5 \\
 &= \frac{44}{5} \div \frac{5}{1} \\
 &= \frac{44}{5} \times \frac{1}{5} \\
 &= \frac{44}{25} \\
 &= 1 \frac{19}{25}
 \end{aligned}$$

8

$$\begin{aligned}
 &2 \div 1 \frac{1}{2} \\
 &= \frac{2}{1} \div \frac{3}{2} \\
 &= \frac{2}{1} \times \frac{2}{3} \\
 &= \frac{4}{3}
 \end{aligned}$$

9

$$\begin{aligned}
 &\frac{1}{8} \div \frac{1}{8} \\
 &= \frac{1}{8} \times \frac{8}{1} \\
 &= \frac{8}{8} \\
 &= 1
 \end{aligned}$$

10

$$\begin{aligned}
 &\frac{2}{11} \div \frac{11}{2} \\
 &= \frac{2}{11} \times \frac{2}{11} \\
 &= \frac{4}{11 \times 11} \\
 &= \frac{4}{121}
 \end{aligned}$$

$$\begin{aligned} 11 \quad & \frac{10}{100} \div \frac{20}{200} \\ &= \frac{1}{10} \times \frac{10}{1} \\ &= \frac{10}{10} \\ &= 1 \end{aligned}$$

$$\begin{aligned} 12 \quad & \frac{5}{60} \div \frac{2}{100} \\ &= \frac{1}{12} \div \frac{1}{50} \\ &= \frac{1}{12} \times \frac{50}{1} \\ &= \frac{50}{12} \\ &= 4\frac{1}{6} \end{aligned}$$