

## Division with mixed numbers Memo

$$\begin{aligned}
 1 \quad & 4\frac{1}{4} \div 1\frac{2}{5} \\
 & = \frac{17}{4} \times \frac{5}{7} \\
 & = \frac{85}{28} \\
 & = 3\frac{1}{28}
 \end{aligned}$$

$$\begin{aligned}
 2 \quad & 5\frac{2}{7} \div 4\frac{1}{6} \\
 & = \frac{37}{7} \div \frac{25}{6} \\
 & = \frac{37}{7} \times \frac{6}{25} \\
 & = \frac{222}{175} \\
 & = 1\frac{47}{175}
 \end{aligned}$$

$$\begin{aligned}
 3 \quad & 3\frac{3}{4} \div 5 \\
 & = \frac{15}{4} \div \frac{5}{1} \\
 & = \frac{15}{4} \times \frac{1}{5} \\
 & = \frac{15}{20} \\
 & = \frac{3}{4}
 \end{aligned}$$

$$\begin{aligned}
 4 \quad & 100 \div \frac{12}{11} \\
 & = \frac{100}{1} \div \frac{12}{11} \\
 & = \frac{100}{1} \times \frac{11}{12} \\
 & = \frac{1100}{12} \\
 & = 91\frac{2}{3}
 \end{aligned}$$

$$5 \quad 12\frac{3}{5} \div \frac{5}{6}$$

$$\begin{aligned}
 &= \frac{63}{5} \div \frac{5}{6} \\
 &= \frac{63}{5} \times \frac{6}{5} \\
 &= \frac{378}{25} \\
 &= 15\frac{3}{25}
 \end{aligned}$$

6

$$\begin{aligned}
 &60 \div \frac{1}{6} \\
 &= \frac{60}{1} \times \frac{6}{1} \\
 &= \frac{360}{1} \\
 &= 360
 \end{aligned}$$

7

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

8

Number of friends he can serve

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

9

Number of servings Masilo can do

$$\begin{aligned}
 &= \frac{2}{3} \div \frac{1}{9} \\
 &= \frac{2}{3} \times \frac{9}{1} \\
 &= \frac{18}{3} \\
 &= 6 \text{ servings}
 \end{aligned}$$

10

$$\frac{4}{5} \div \frac{1}{5}$$

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$$= \frac{4}{5} \times \frac{5}{1}$$

$$= \frac{20}{5}$$

$$= 4 \text{ times}$$