

比を簡単にする

例題 1

$$\begin{aligned}
 &24 : 16 \\
 &= 24 \div \boxed{4} : 16 \div \boxed{4} \\
 &= 6 : 4 \\
 &= 6 \div \boxed{2} : 4 \div \boxed{2} \\
 &= 3 : 2
 \end{aligned}$$

例題 2

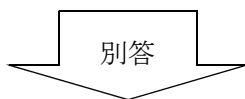
$$\begin{aligned}
 &0.9 : 3 \\
 &= 0.9 \times \boxed{10} : 3 \times \boxed{10} \\
 &= 9 : 30 \\
 &= 9 \div \boxed{3} : 30 \div \boxed{3} \\
 &= 3 : 10
 \end{aligned}$$

例題 3

$$\begin{aligned}
 &0.5 : 0.25 \\
 &= 0.5 \times \boxed{100} : 0.25 \times \boxed{100} \\
 &= 50 : 25 \\
 &= 50 \div \boxed{25} : 25 \div \boxed{25} \\
 &= 2 : 1
 \end{aligned}$$

例題 4

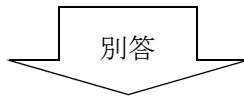
$$\begin{aligned}
 &\frac{3}{2} : \frac{6}{5} \\
 &= 3 \times \boxed{5} : 6 \times \boxed{2} \\
 &= 15 : 12 \\
 &= 15 \div \boxed{3} : 12 \div \boxed{3} \\
 &= 5 : 4
 \end{aligned}$$



$$\begin{aligned}
 &\frac{3}{2} : \frac{6}{5} \\
 &= \frac{\boxed{15}}{10} : \frac{\boxed{12}}{10} \quad \left[\begin{array}{l} \text{通分} \\ \leftarrow \end{array} \right. \\
 &= \boxed{15} : \boxed{12} \\
 &= 15 \div \boxed{3} : 12 \div \boxed{3} \\
 &= 5 : 4
 \end{aligned}$$

例題 5

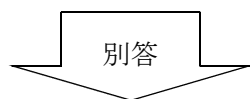
$$\begin{aligned}
 &2 : \frac{5}{6} \\
 &= \frac{2}{1} : \frac{5}{6} \\
 &= 2 \times \boxed{6} : 5 \times \boxed{1} \\
 &= 12 : 5
 \end{aligned}$$



$$\begin{aligned}
 &2 : \frac{5}{6} \\
 &= \frac{2}{1} : \frac{5}{6} \\
 &= \frac{\boxed{12}}{6} : \frac{\boxed{5}}{6} \quad \left[\begin{array}{l} \text{通分} \\ \leftarrow \end{array} \right. \\
 &= \boxed{12} : \boxed{5}
 \end{aligned}$$

例題 6

$$\begin{aligned}
 &0.4 : \frac{14}{5} \\
 &= \frac{4}{10} : \frac{14}{5} \\
 &= 4 \times \boxed{5} : 14 \times \boxed{10} \\
 &= 20 : 140 \\
 &= 20 \div \boxed{20} : 140 \div \boxed{20} \\
 &= 1 : 7
 \end{aligned}$$



$$\begin{aligned}
 &0.4 : \frac{14}{5} \\
 &= 0.4 : \boxed{2.8} \quad \left[\begin{array}{l} \text{分数を} \\ \text{小数に} \\ \leftarrow \end{array} \right. \\
 &= 0.4 \times \boxed{10} : 2.8 \times \boxed{10} \\
 &= 4 : 28 \\
 &= 1 : 7
 \end{aligned}$$