

① Mystery box method

$$\frac{3}{5} \div \frac{7}{11} = \boxed{?}$$

$$\Rightarrow \frac{7}{11} \times \boxed{?} = \frac{3}{5}$$

$$\Rightarrow 7 \times \boxed{?} = \frac{3}{5} \times 11$$

$$\Rightarrow \boxed{?} = \frac{3}{5} \times \frac{11}{7}$$

② Reciprocals method

$$\frac{3}{5} \div \frac{7}{11} = \frac{\left(\frac{3}{5}\right)}{\left(\frac{7}{11}\right)}$$

$$= \left(\frac{3}{5}\right) \times \left(\frac{7}{11}\right)^{-1}$$

$$= \frac{3}{5} \times \frac{11}{7}$$