

$$\frac{\text{gray box}}{\text{gray box}} \div \frac{\text{dashed box}}{\text{dashed box}} = \frac{\text{gray box}}{\text{gray box}} \times \frac{\text{dashed box}}{\text{dashed box}}$$

The diagram illustrates the relationship between division and multiplication of fractions. On the left, a fraction with a gray box in the numerator and a gray box in the denominator is divided by a fraction with a dashed box in the numerator and a dashed box in the denominator. This is shown to be equivalent to the first fraction multiplied by the reciprocal of the second fraction, which is a fraction with a dashed box in the numerator and a gray box in the denominator.