

7. Fraction Divided by Fraction

$a/b \div c/d = a/b \times d/c$ (dividing by a fraction = multiplying by its reciprocal)

Or use **common denominator method**: rewrite with a common denominator, then divide the numerators.

a) $1/2 \div 1/4 = ?$

Reciprocal: $1/2 \times 4/1 = 4/2 = 2$

Common denom: $2/4 \div 1/4 = 2 \div 1 = 2$

b) $3/4 \div 1/4 = ?$

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c) $\frac{1}{3} \div \frac{1}{6} = ?$

d) $\frac{2}{5} \div \frac{1}{5} = ?$

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e) $\frac{3}{8} \div \frac{1}{4} = ?$

f) $\frac{5}{6} \div \frac{1}{3} = ?$