

Simplify the numerator. Simplify the denominator. Divide the fractions and simplify.

$$\frac{\frac{7}{9} + \frac{1}{9}}{\frac{5}{12} + \frac{5}{12}} = \frac{\frac{8}{9}}{\frac{10}{12}} = \frac{8}{9} \div \frac{10}{12} = \frac{8}{9} \cdot \frac{12}{10} = \frac{4}{3} \cdot \frac{4}{5} \cdot \frac{2 \cdot 3}{2 \cdot 3} = \frac{16}{15}$$