

Simplifying Brackets in Fraction

1. Expand and simplify.

A. $\left(2 + \frac{7}{x}\right)\left(1 + \frac{1}{x}\right)$

B. $\left(2a + \frac{1}{a}\right)\left(a + \frac{1}{a}\right)$

2. Simplify.

A. $\frac{3}{5} + \left(\frac{1}{7} \times \frac{2}{3}\right) \div \frac{10}{21}$

B. $\frac{6}{5} \text{ of } \left(3\frac{1}{7} - 2\frac{1}{2}\right) \div \left(2\frac{5}{21} - 2\right)$

C. $\frac{4}{11} - \left[\left\{\left(1\frac{3}{44} + \left\{2\frac{1}{88} - \left(1\frac{1}{22} - \frac{1}{11}\right)\right\}\right)\right\}\right]$

D. $\left[\frac{2}{5} + \left\{\frac{4}{5} + \left(\frac{1}{4} + \frac{2}{4}\right)\right\}\right]$

E. $\left[\frac{3}{4} \times \left\{\frac{2}{6} \times \left(\frac{3}{4} \div \frac{18}{16}\right)\right\}\right]$