

3.9 Combinations of Operations with Fractions

Use the order of operations agreement and the rules of operations with fractions to simplify the following.

a. $4 + \left(1\frac{1}{2}\right)\left(2\frac{3}{4}\right)$

b. $50\left(\frac{1}{5}\right)^2 - 12\left(\frac{1}{2}\right)^2$

$$c. 7 - \left(1\frac{3}{5}\right)\left(2\frac{1}{2}\right)$$

$$d. 6\left(\frac{1}{2}\right) + \frac{2}{3}(12)$$

$$e. \frac{2}{5}\left(2\frac{1}{2}\right) + \frac{5}{8}\left(3\frac{1}{5}\right)$$