Question

$$\left(\frac{12}{15} + \frac{16}{50}\right) \times \left(1 - \frac{7}{8}\right)$$

Solution

$$\begin{pmatrix} \frac{12}{15} + \frac{16}{50} \end{pmatrix} \times \begin{pmatrix} 1 - \frac{7}{8} \end{pmatrix} = \begin{pmatrix} \frac{12 \times 10}{15 \times 10} + \frac{16 \times 3}{50 \times 3} \end{pmatrix} \times \begin{pmatrix} \frac{8}{8} - \frac{7}{8} \end{pmatrix} = \begin{pmatrix} \frac{120 + 48}{150} \end{pmatrix} \times \begin{pmatrix} \frac{8 - 7}{8} \end{pmatrix} = \frac{168}{150} \times \frac{1}{8} = \frac{8 \times 21}{150} \times \frac{1}{8} = \frac{21}{150} = \frac{7 \times 3}{50 \times 3} = \frac{7}{50}.$$

Answer: $\frac{7}{50}$.

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