

Answer on Question #75529 – Math – Algebra

Question

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

Solution

$$\begin{aligned} \left(\frac{12}{15} + \frac{16}{50}\right) \times \left(1 - \frac{7}{8}\right) &= \left(\frac{12 \times 10}{15 \times 10} + \frac{16 \times 3}{50 \times 3}\right) \times \left(\frac{8}{8} - \frac{7}{8}\right) = \left(\frac{120 + 48}{150}\right) \times \left(\frac{8 - 7}{8}\right) = \frac{168}{150} \times \frac{1}{8} \\ &= \frac{8 \times 21}{150} \times \frac{1}{8} = \frac{21}{150} = \frac{7 \times 3}{50 \times 3} = \frac{7}{50}. \end{aligned}$$

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