

Answer on Question #51249 – Math – Algebra

$$x \frac{7}{16} - x \frac{5}{16} + x \frac{1}{2}$$

Solution

Apply equality $\frac{1}{2}x = \frac{8}{16}x$ to the next expression:

$$\begin{aligned} \frac{7}{16}x - \frac{5}{16}x + \frac{1}{2}x &= \frac{7}{16}x - \frac{5}{16}x + \frac{8}{16}x = |\text{reduce to the common denominator}| \\ &= \frac{7 - 5 + 8}{16}x = \frac{10}{16}x = \frac{5 \cdot 2}{8 \cdot 2}x = \frac{5}{8}x \end{aligned}$$

Answer: $\frac{5}{8}x$