

Answer on Question #53310 - Math - Algebra

Question

Max bought $2\frac{3}{4}$ pounds green apples, $1\frac{5}{8}$ pounds of yellow apples, and $1\frac{5}{8}$ pounds of red apples. The total cost was \$5.40. What is the cost for one pound of apples if all apples cost the same amount per pound?

Solution

Max bought

$$2\frac{3}{4} + 1\frac{5}{8} + 1\frac{5}{8} = \frac{11}{4} + \frac{13}{8} + \frac{13}{8} = \frac{22 + 13 + 13}{8} = \frac{48}{8} = 6$$

pounds of apples.

The cost for one pound of apples is

$$\frac{\$5.40}{6} = \$0.90 \text{ per pound}$$

Answer: \$0.90 per pound