

Answer on Question #54084 – Math – Algebra

Question

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

Solution

Max bought

$2\frac{3}{4} + 1\frac{5}{8} = 2 + \frac{3}{4} + 1 + \frac{5}{8} = (2 + 1) + \left(\frac{3}{4} + \frac{5}{8}\right) = 3 + \frac{6}{8} + \frac{5}{8} = 3 + \frac{11}{8} = 3 + \frac{8+3}{8} = 3 + 1 + \frac{3}{8} = 4\frac{3}{8}$ pounds of apples.

The cost for one pound of apples is $\frac{\$5.4}{4\frac{3}{8}} = \frac{\$5.4}{\frac{35}{8}} \approx \1.23 per pound.

Answer: \$1.23 per pound.