

Student Work  
Paper 3: Chocolates

**Problem:**

Tom is buying his mother her favorite chocolate for Valentine's Day. If  $\frac{1}{4}$  of a pound of the candy sells for \$1.39, what will it cost Tom to purchase his gift that weighs  $2\frac{1}{2}$  pounds?

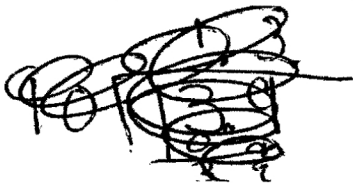
$\frac{1}{4}$  goes into  $2\frac{1}{2}$  ten times  
 $\$1.39$  times 10 equals  $\$13.90$  and  
 $\frac{1}{4}$  time 10 equals  $2\frac{1}{2}$ .

$$\begin{array}{r} 1.39 \\ \times 10 \\ \hline 000 \\ 1390 \\ \hline 13.90 \end{array}$$

$$\frac{1}{4} \times \frac{10}{1} = \frac{10}{4} = 2\frac{1}{2}$$

It will cost Tom  
 $\$13.90$

I did this problem by figuring out how many times  $\frac{1}{4}$  went into  $2\frac{1}{2}$ . I got 10. I ~~times~~ multiplied 1.39 by 10 and got 13.90. I will check my work by working backwards



$$\begin{array}{r} 1.39 \\ 10 \overline{) 13.90} \\ \underline{10 \downarrow} \\ 39 \\ \underline{30} \\ 90 \end{array}$$