

Mr. Porter bought 24 bagels at 6 for \$2.49 and 24 cartons of juice at 6 for \$1.98. What was the total cost of the bagels and juice Mr. Porter bought, not including tax?

Q. What total cost?

f₁ 24 bagels total f₄ 24 juice total
f₂ 6 - # bagels total f₅ 6 - # juice
f₃ \$ 2.49 bagel cost f₆ \$ 1.98 juice cost

$$\begin{array}{r} 4 \\ 6 \overline{)24} \end{array}$$

divide 24 by 6 to find how many sets of 6 bagels = 4

$$\begin{array}{r} \$2.49 \\ \times 4 \\ \hline 9.96 \end{array}$$

multiply 4 sets times \$2.49 to find total cost of bagels = \$9.96

$$\begin{array}{r} 2 \\ 6 \overline{)12} \end{array}$$

Divide 12 by 6 to see how many sets of 6 juice boxes = 2 sets

$$\begin{array}{r} 1.98 \\ \times 2 \\ \hline 3.96 \end{array}$$

Multiply 2 sets times \$1.98 to find total cost of juice = \$3.96

$$\begin{array}{r} 9.96 \\ + 3.96 \\ \hline \$13.92 \end{array}$$

add cost of bagels and cost of juice to get total everything

The answer is \$13.92

I needed to find out what the total cost for the bagels and juice was that Mr. Porter bought. First I divided the total number of bagels (24) by 6 to get how many sets of bagels. Then I multiplied that by the cost of \$2.49 to get the total cost of \$9.96 for bagels. Next I did the same thing with the juice. I divided the total juice boxes by 6 and came up with 2 sets. Then I multiplied that by \$1.98 to get the juice cost. Finally I added the cost of the bagels and the juice to get a total of \$13.92. The answer is that Mr. Porter spent \$13.92 on bagels and juice.