

1. Asian purchased 3.5 lb. of his favorite mixture of dried fruits to use in a trail mix. The total cost was \$16.87. How much did the fruit cost per pound?
2. Divide: $994.14 \div 18.9$.

1. Lisa purchased almonds for \$3.50 per pound. She spent a total of \$14.70. How many pounds of almonds did she purchase?

$$\begin{array}{r}
 4.2 \\
 350 \overline{) 1470.0} \\
 \underline{-1400} \\
 700 \\
 \underline{-700} \\
 0
 \end{array}$$

Lisa purchased 4.2 pounds of almonds.

2. Divide: $125.01 \div 5.4$. Then, check your answer for reasonableness.

$$\begin{array}{r}
 23.15 \\
 540 \overline{) 12501.00} \\
 \underline{-1080} \\
 1701 \\
 \underline{-1620} \\
 810 \\
 \underline{-540} \\
 2700 \\
 \underline{-2700} \\
 0
 \end{array}$$

The quotient of 125.01 and 5.4 is 23.15.

Estimate: $125 \div 5 = 25$

My estimate of 25 is near 23, which shows that my answer is reasonable.

1. Aslan purchased 3.5 lb. of his favorite mixture of dried fruits to use in a trail mix. The total cost was \$16.87. How much does the fruit cost per pound?

$16.87 \div 3.5 \rightarrow 1,687 \text{ hundredths} \div 350 \text{ hundredths}$

$$\begin{array}{r}
 4.82 \\
 350 \overline{) 1687.00} \\
 \underline{-1400} \\
 2870 \\
 \underline{-2800} \\
 700 \\
 \underline{-700} \\
 0
 \end{array}$$

The dried fruit costs \$4.82 per pound.

2. Divide: $994.14 \div 18.9$.

$994.14 \div 18.9 \rightarrow 99,414 \text{ hundredths} \div 1,890 \text{ hundredths}$

$$\begin{array}{r} 52.6 \\ 1890 \overline{) 99414.0} \\ \underline{-9450} \\ 4914 \\ \underline{-3780} \\ 11340 \\ \underline{-11340} \\ 0 \end{array}$$

$$994.14 \div 18.9 = 52.6$$