

1. Draw place value disks on the place value chart to solve. Show each step using the standard algorithm.

$$4.23 \div 3 = \underline{1.41}$$

4.23 is divided into 3 equal groups. There is 1.41 in each group.

Ones	Tenths	Hundredths
●●●●	●●	●●●
●	●●●●●●	
●	●●●●●	●
●	●●●●●	●
	●●●●●	●

When I share 4 ones equally with 3 groups, there is 1 one in each group and 1 one remaining.

In each group, there is 1 one 4 tenths 1 hundredth or 1.41.

$$\begin{array}{r} 1.41 \\ 3 \overline{) 4.23} \\ \underline{- 3} \\ 12 \\ \underline{- 12} \\ 03 \\ \underline{- 3} \\ 0 \end{array}$$

2. Solve $15.72 \div 4$ using the standard algorithm.

15.72 is divided into 4 equal groups. There is 3.93 in each group.

As I work, I'm visualizing the place value chart and thinking out loud. "We had 15 ones and shared 12 of them. 3 ones remain. I can change those 3 ones for 30 tenths, which combined with the 7 tenths in the whole, makes 37 tenths. Now I need to share 37 tenths equally with 4 groups. Each group gets 9 tenths."

$$\begin{array}{r} 3.93 \\ 4 \overline{) 15.72} \\ \underline{- 12} \\ 37 \\ \underline{- 36} \\ 12 \\ \underline{- 12} \\ 0 \end{array}$$

When completing the division, I need to be sure to line up the place value units carefully—the tens with the tens, the ones with the ones, etc.

3. Mr. Huynh paid \$85.44 for 6 pounds of cashews. What's the cost of 1 pound of cashews?

I'll draw a strip diagram and label it \$85.44. Then I'll cut it equally into 6 units.

\$85.44

6 units = \$85.44

1 unit = $\$85.44 \div 6$
= \$14.24

To find the cost of 1 pound of cashews, I'll divide \$85.44 by 6.

1 pound = ?

I'll solve using the long division algorithm.

$$\begin{array}{r}
 14.24 \\
 6 \overline{) 85.44} \\
 \underline{- 6} \\
 25 \\
 \underline{- 24} \\
 14 \\
 \underline{- 12} \\
 24 \\
 \underline{- 24} \\
 0
 \end{array}$$

The cost of 1 pound of cashews is \$14.24.

2. Solve using the standard algorithm.

a. $0.64 \div 4 = \underline{\hspace{2cm}}$	b. $6.45 \div 5 = \underline{\hspace{2cm}}$	c. $16.44 \div 6 = \underline{\hspace{2cm}}$
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3. Mrs. Mayuko paid \$40.68 for 3 kg of shrimp. What's the cost of 1 kilogram of shrimp?

4. The total weight of 6 pieces of butter and a bag of sugar is 3.8 lb. If the weight of the bag of sugar is 1.4 lb, what is the weight of each piece of butter?