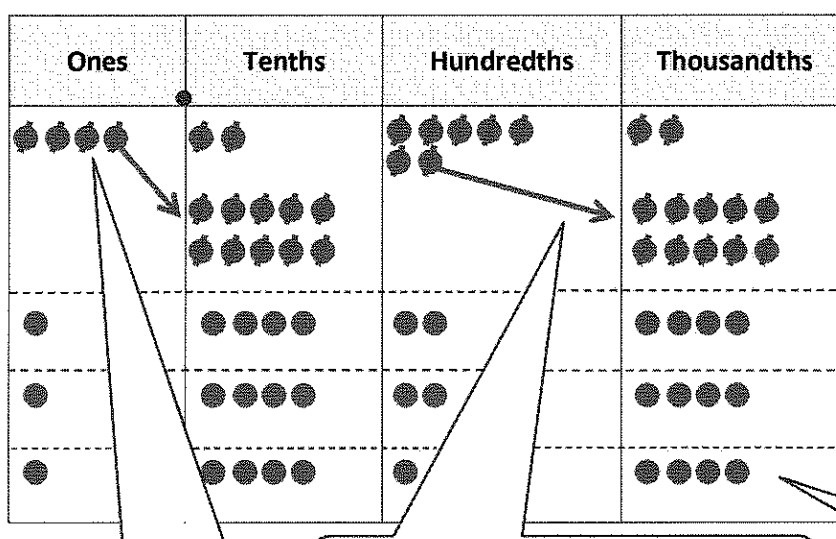


## G5-M1-Lesson 14

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

$$4.272 \div 3 = \underline{1.424}$$

4.272 is divided into 3 equal groups. There is 1.424 in each group.



$$\begin{array}{r}
 1.424 \\
 3 \overline{) 4.272} \\
 \underline{- 3} \phantom{00} \\
 12 \phantom{00} \\
 \underline{- 12} \phantom{00} \\
 07 \phantom{00} \\
 \underline{- 6} \phantom{00} \\
 12 \phantom{00} \\
 \underline{- 12} \phantom{00} \\
 0
 \end{array}$$

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

In order to continue sharing, or dividing, I'll exchange the 1 remaining hundredth for 10 thousandths.

In each group, there is 1 one 4 tenths 2 hundredths 4 thousandths, or 1.424.

2. Solve  $15.704 \div 4$  using the standard algorithm.

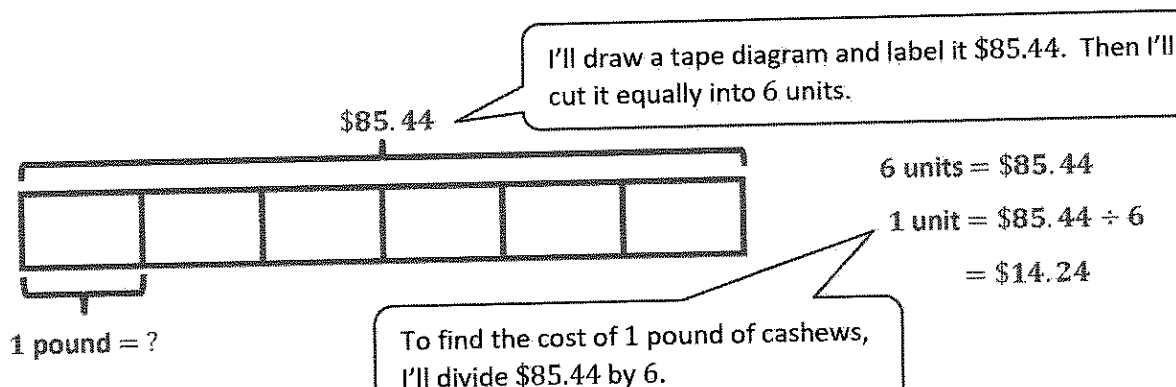
15.704 is divided into 4 equal groups. There is 3.926 in each group.

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."

$$\begin{array}{r}
 3.926 \\
 4 \overline{) 15.704} \\
 \underline{- 12} \phantom{00} \\
 37 \phantom{00} \\
 \underline{- 36} \phantom{00} \\
 10 \phantom{00} \\
 \underline{- 8} \phantom{00} \\
 24 \phantom{00} \\
 \underline{- 24} \phantom{00} \\
 0
 \end{array}$$

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?



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

I'll solve using the long division algorithm.

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