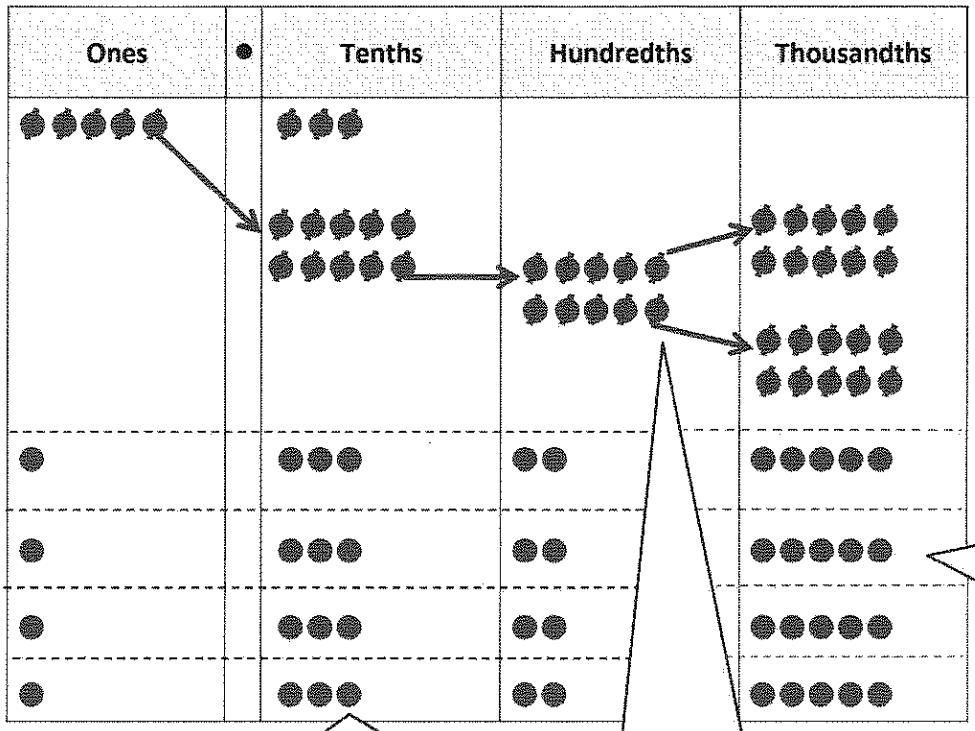
G5-M1-Lesson 15

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

$5.3 \div 4 =$ 1.325

5.3 is divided into 4 equal groups
There is 1.325 in each group.



$$\begin{array}{r} 1.\ 3\ 2\ 5 \\ 4\overline{)\,5.\ 3\ 0\ 0} \\ -\ 4 \\ \hline 1\ 3 \\ -\ 1\ 2 \\ \hline 1\ 0 \\ -\ \ 8 \\ \hline 2\ 0 \\ -\ 2\ 0 \\ \hline 0 \end{array}$$

In each group, there is 1 one 3 tenths 2 hundredths 5 thousandths, or 1.325.

When I share 13 tenths equally with 4 groups, there are 3 tenths in each group, and 1 tenth remains.

In order to continue sharing, or dividing, I'll exchange the 2 remaining hundredths for 20 thousandths.

2. Solve using the standard algorithm.

$9 \div 5 =$ 1.8

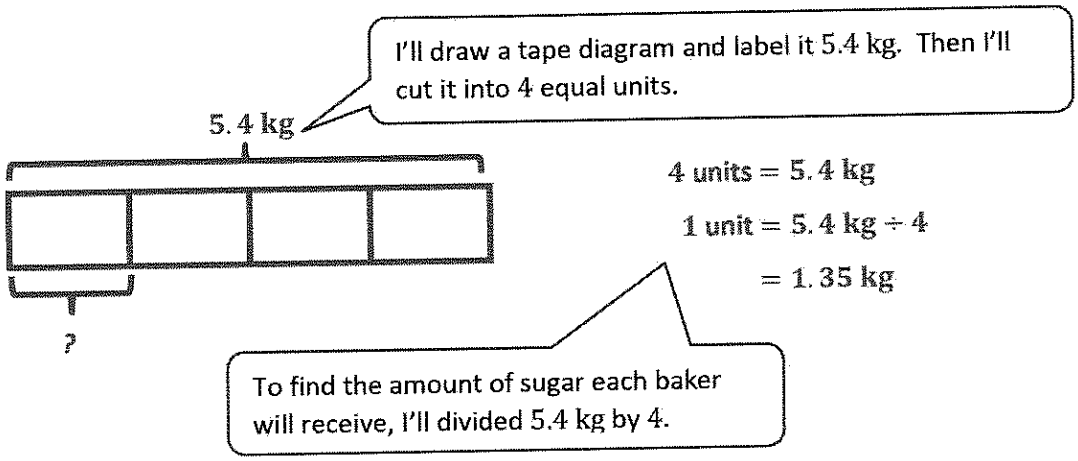
9 is divided into 5 equal groups. There is 1.8 in each group.

$$\begin{array}{r} 1.\ 8 \\ 5\overline{)\,9.\ 0} \\ -\ 5 \\ \hline 4\ 0 \\ -\ 4\ 0 \\ \hline 0 \end{array}$$

In order to continue dividing, I'll rename the 4 remaining ones as 40 tenths.

40 tenths $\div$ 5 = 8 tenths

3. Four bakers shared 5.4 kilograms of sugar equally. How much sugar did they each receive?



$$
\begin{array}{r}
1.\ 3\ 5 \\
4\overline{)\,5.\ 4\ 0} \\
-\ 4 \\
\hline
1\ 4 \\
-\ 1\ 2 \\
\hline
2\ 0 \\
-\ 2\ 0 \\
\hline
0
\end{array}
$$

I'll solve using the long division algorithm.

Each baker received 1.35 kilograms of sugar.