

G4-M3-Lesson 27

Divide. Model using place value disks, and record using the algorithm.

$$426 \div 3$$

hundreds	tens	ones
● ● ● ●	● ●	● ● ● ● ● ● ●

I represent 426 as 4 hundreds
2 tens 6 ones.

I make space on the chart
to distribute the disks into
3 equal groups.

hundreds	tens	ones
● ● ● ●	● ●	● ● ● ● ● ● ●
●		
●		
●		

I remember from Lesson 16 to
divide starting in the largest unit.

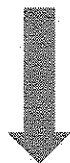
4 hundreds divided
by 3 is 1 hundred.

$$\begin{array}{r} 1 \\ 3 \overline{) 426} \\ \underline{3} \\ 1 \end{array}$$

1 hundred in each
group times 3
groups is 3
hundreds.

We started with 4 hundreds
and evenly divided 3
hundreds. 1 hundred
remains, which I've circled.

hundreds	tens	ones
•		
•		
•		



hundreds	tens	ones
•	••••	••
•	••••	••
•	••••	••

$$\begin{array}{r} 1 \\ 3 \overline{) 426} \\ - 3 \\ \hline 12 \end{array}$$

I remember from Lesson 17 that when there are remaining units that can't be divided, I decompose them as 10 of the next smallest unit. So 1 hundred is decomposed as 10 tens. Now there are 12 tens to divide.

$$\begin{array}{r} 142 \\ 3 \overline{) 426} \\ - 3 \\ \hline 12 \\ - 12 \\ \hline 06 \\ - 6 \\ \hline 0 \end{array}$$

I continue to distribute tens and ones, and I record each step of the algorithm.

1 hundred 4 tens 2 ones

The value in each group equals the quotient.