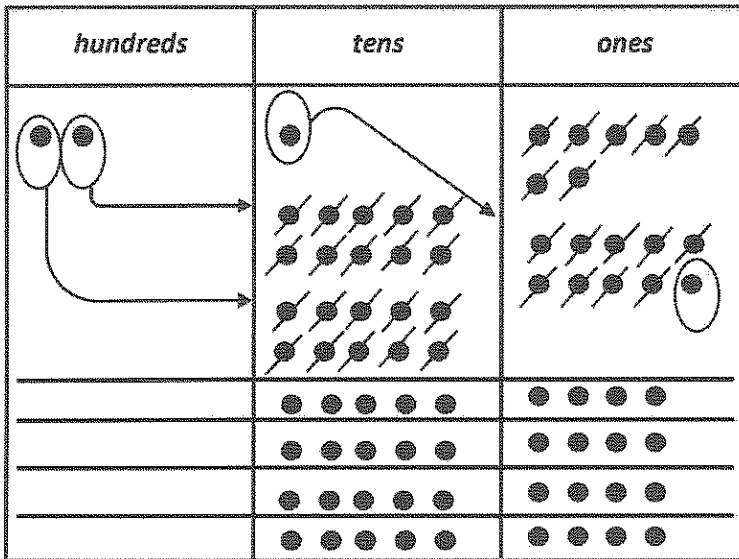


G4-M3-Lesson 28

1. Divide. Check your work by multiplying. Draw disks on a place value chart as needed.

a. $217 \div 4$



Quotient = 54

Remainder = 1

$$\begin{array}{r} 54 \\ \times 4 \\ \hline 216 \end{array}$$

$$\begin{array}{r} 216 \\ + 1 \\ \hline 217 \end{array}$$

5 tens 4 ones

I can't distribute 2 hundreds evenly among the 4 groups. I decompose each hundred as 10 tens. Now I have 21 tens.

I check my answer by multiplying the quotient and the divisor, and then I add the remainder. My answer of 217 matches the whole in the division expression.

b. $743 \div 3$

$$\begin{array}{r} 247 \text{ R}2 \\ 3 \overline{) 743} \\ - 6 \\ \hline 14 \\ - 12 \\ \hline 23 \\ - 21 \\ \hline 2 \end{array}$$

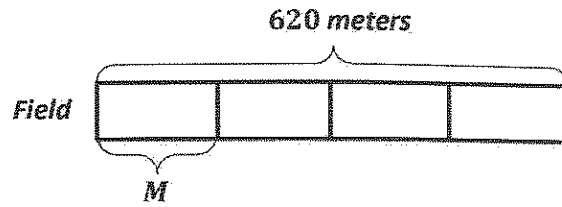
$$\begin{array}{r} 247 \\ \times 3 \\ \hline 741 \end{array} \quad \begin{array}{r} 743 \\ + 2 \\ \hline 745 \end{array}$$

I visualize each step on the place value chart as I record the steps of the algorithm.

2. Constance ran 620 meters around the 4 sides of a square field. How many meters long was each side of the field?

$$\begin{array}{r}
 155 \\
 4 \overline{) 620} \\
 \underline{- 4} \\
 22 \\
 \underline{- 20} \\
 20 \\
 \underline{- 20} \\
 0
 \end{array}$$

$$\begin{array}{r}
 155 \\
 \times 4 \\
 \hline
 620
 \end{array}$$



Each side of the field was 155 meters.