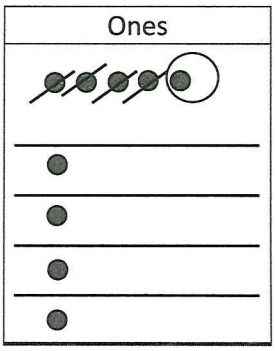
Show the division using disks. Relate your model to long division. Check your quotient by using multiplication and addition.

1. $5 \div 4$



$$\begin{array}{r} 1 \quad R1 \\ 4 \overline{)\,5} \\ -\ 4 \\ \hline 1 \end{array}$$

quotient = 1

remainder = 1

Check your work.

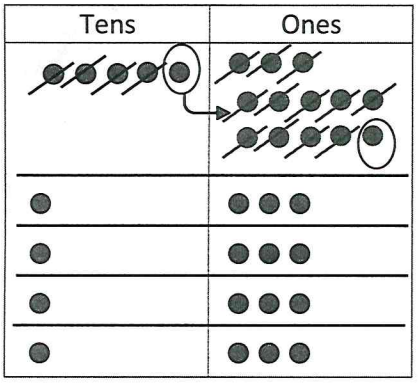
$$4 \times 1 = 4 \qquad 4 + 1 = 5$$

Just like Lesson 16, I model the whole and partition the chart into 4 parts to represent the divisor.

2. $53 \div 4$

After distributing 4 tens, 1 ten remains. I change 1 ten for 10 ones.

Now, I have 13 ones. I can distribute 12 ones evenly, but 1 one remains.



$$\begin{array}{r} 1\ 3 \quad R1 \\ 4 \overline{)\,5\ 3} \\ -\ 4 \\ \hline 1\ 3 \\ -\ 1\ 2 \\ \hline 1 \end{array}$$

quotient = 13

remainder = 1

Check your work.

$$1\ 3 \times 4 = 5\ 2 \qquad 5\ 2 + 1 = 5\ 3$$