

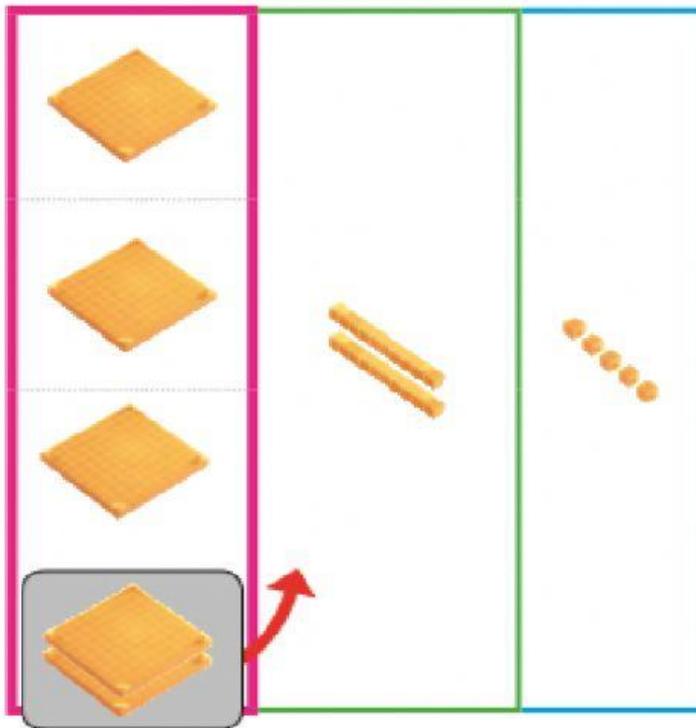


Let's Learn!

Division with Regrouping in Hundreds, Tens and Ones

- 1 Divide 525 by 3.

$$525 \div 3 = ?$$

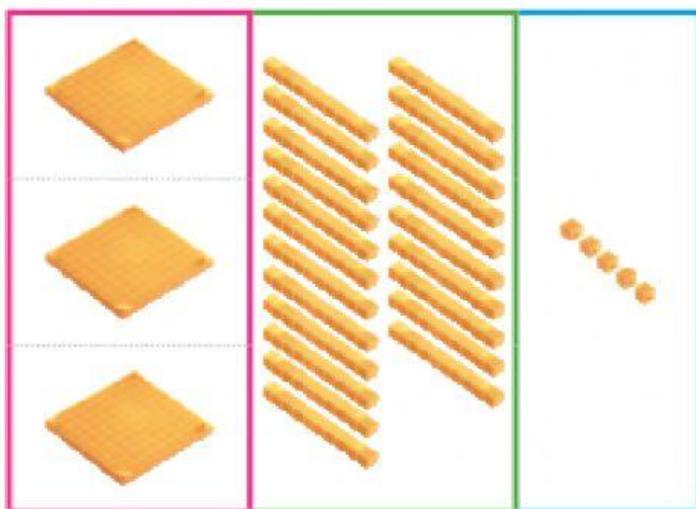


First, divide the **hundreds** by 3.

$$5 \text{ hundreds} \div 3$$

= 1 hundred in each group with remainder 2 hundreds

$$\begin{array}{r} 1 \\ 3 \overline{) 525} \\ \underline{3} \\ 2 \end{array}$$



Regroup the 2 hundreds.

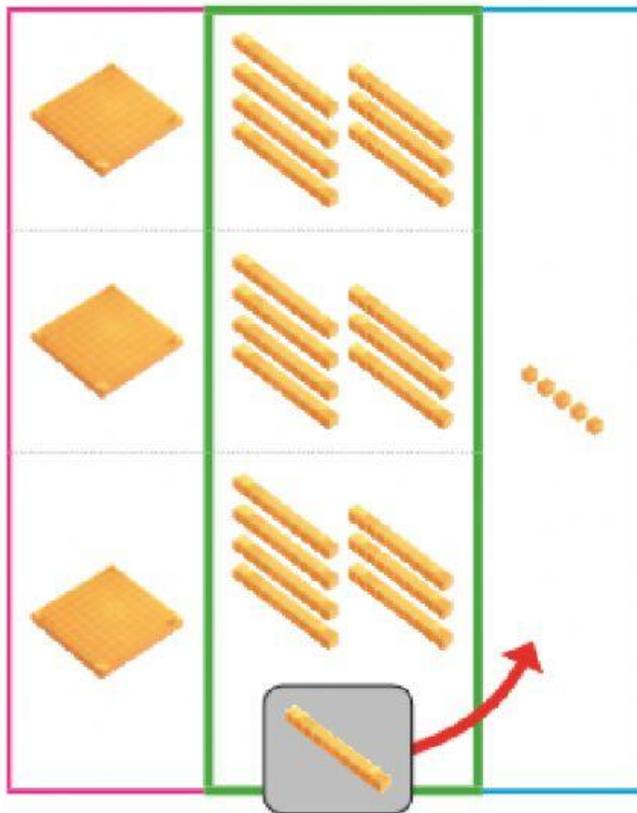
$$2 \text{ hundreds} = 20 \text{ tens}$$

Add the tens.

$$20 \text{ tens} + 2 \text{ tens} = 22 \text{ tens}$$

$$\begin{array}{r} 1 \\ 3 \overline{) 525} \\ \underline{3} \\ 22 \end{array}$$



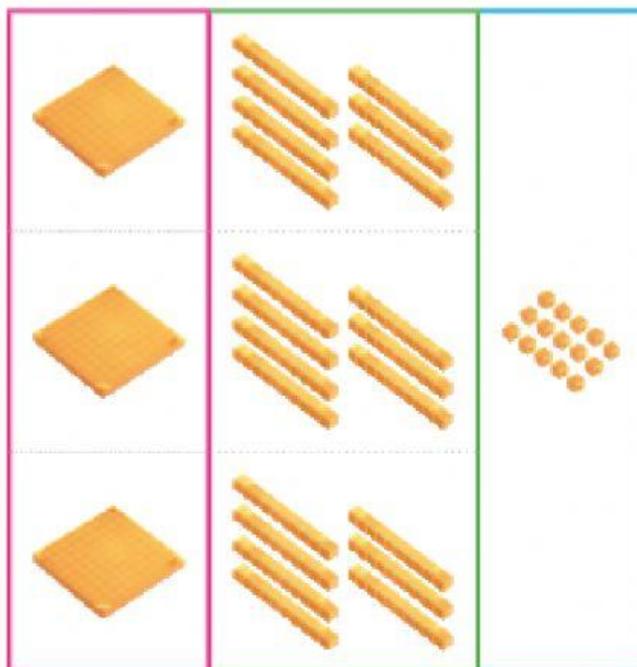


Then, divide the **tens** by 3.

$$22 \text{ tens} \div 3$$

= 7 tens in each group
with remainder 1 ten

$$\begin{array}{r} 17 \\ 3 \overline{) 525} \\ \underline{3} \\ 22 \\ \underline{21} \\ 1 \end{array}$$



Regroup the 1 ten.

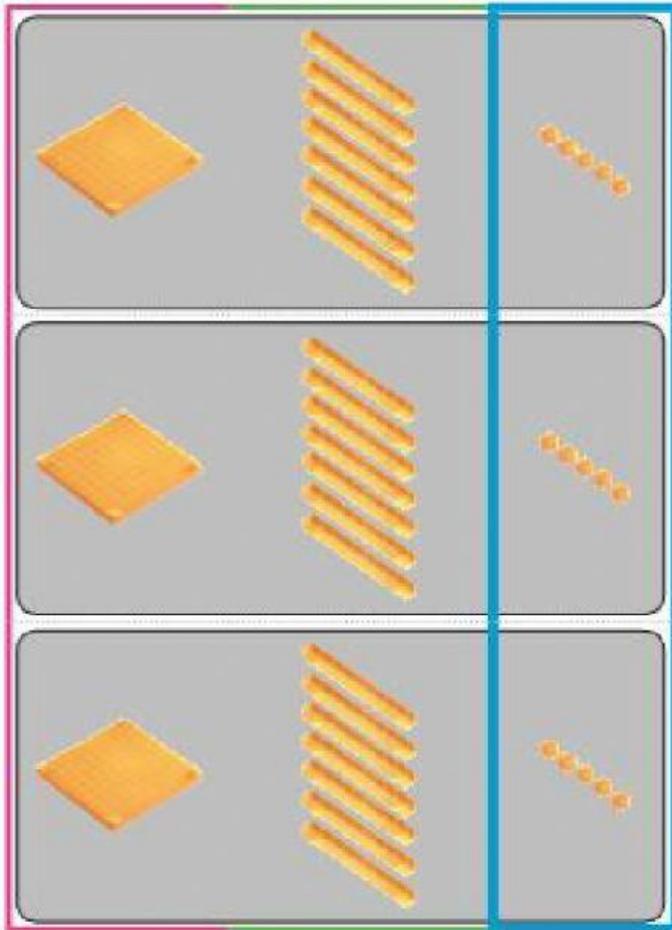
$$1 \text{ ten} = 10 \text{ ones}$$

Add the ones.

$$10 \text{ ones} + 5 \text{ ones}$$

$$= 15 \text{ ones}$$

$$\begin{array}{r} 17 \\ 3 \overline{) 525} \\ \underline{3} \\ 22 \\ \underline{21} \\ 15 \end{array}$$



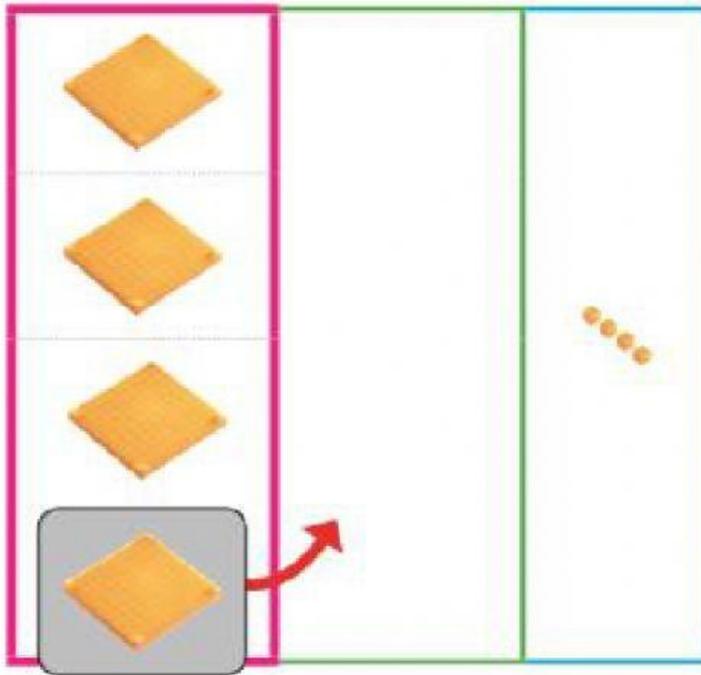
Lastly, divide the **ones** by 3.
 $15 \text{ ones} \div 3 = 5 \text{ ones}$
 in each group

$$\begin{array}{r}
 175 \\
 \hline
 3 \overline{) 525} \\
 \underline{3} \\
 22 \\
 \underline{21} \\
 15 \\
 \underline{15} \\
 0
 \end{array}$$

So, $525 \div 3 = 175$.

2 What is $404 \div 3$?

$$404 \div 3 = ?$$

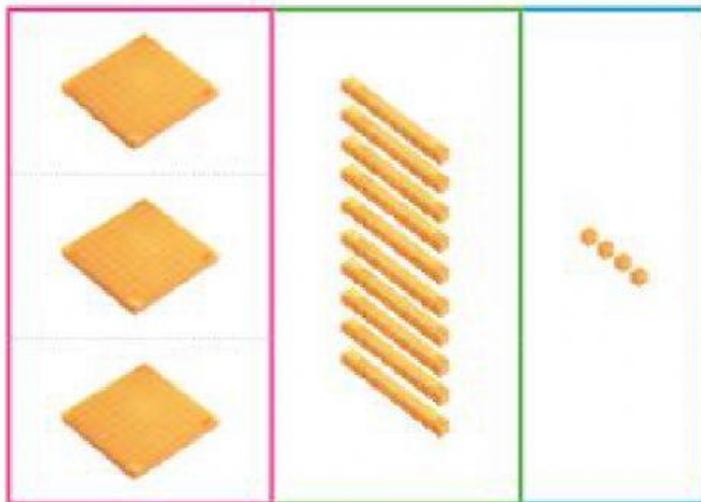


First, divide the **hundreds** by 3.

4 hundreds \div 3
= 1 hundred in each group with remainder

1 hundred

$$\begin{array}{r} \\ 3 \overline{) 404} \\ \underline{3} \\ 0 \\ 0 \\ 0 \end{array}$$



Regroup the 1 hundred.

1 hundred

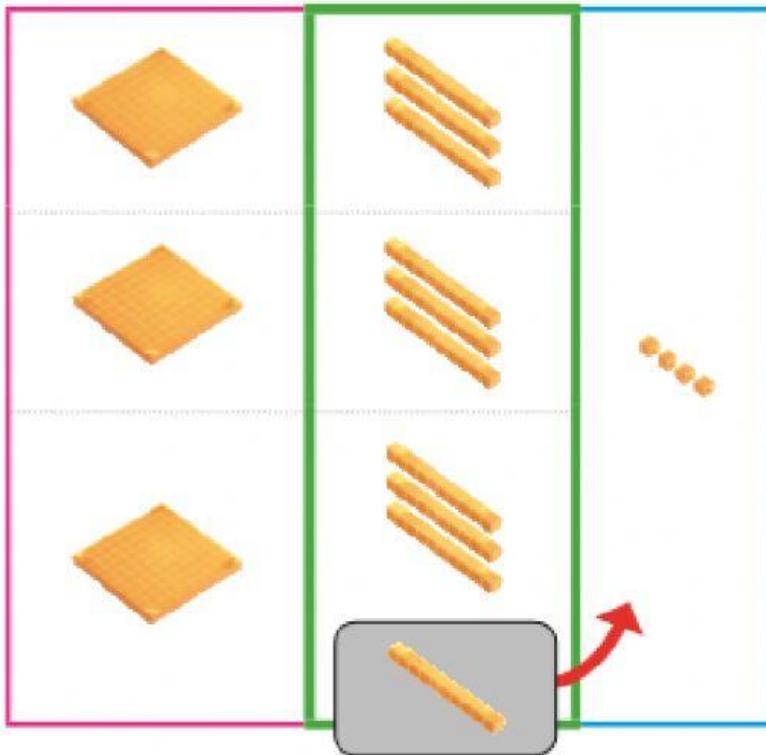
= 10 tens

Add the tens.

10 tens + 0 tens

= 10 tens

$$\begin{array}{r} \\ 3 \overline{) 404} \\ \underline{3} \\ 0 \\ 0 \\ 0 \end{array}$$

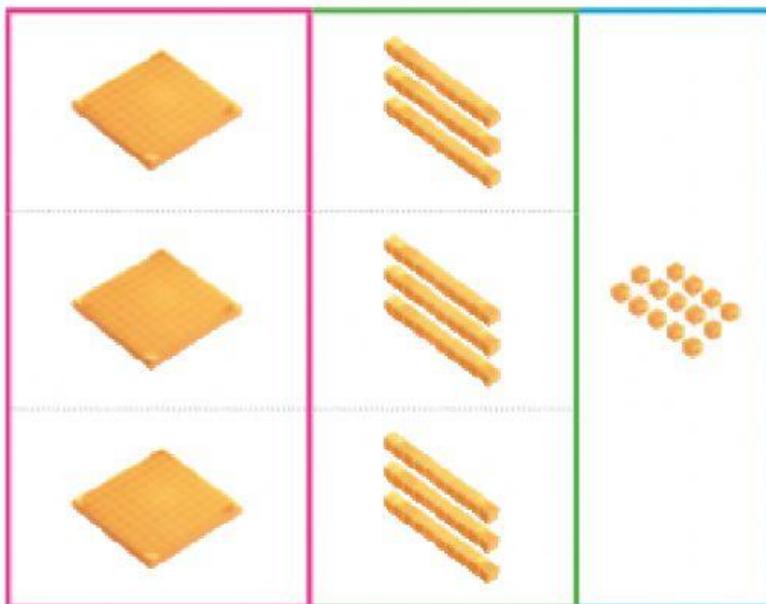


Then, divide the **tens** by 3.

$$10 \text{ tens} \div 3$$

$$= 3 \text{ tens in each group with remainder } 1 \text{ ten}$$

$$\begin{array}{r} 13 \\ 3 \overline{) 404} \\ \underline{3} \\ 10 \\ \underline{9} \\ 14 \\ \underline{12} \\ 24 \\ \underline{21} \\ 3 \end{array}$$



Regroup the 1 ten.

$$1 \text{ ten}$$

$$= 10 \text{ ones}$$

Add the ones.

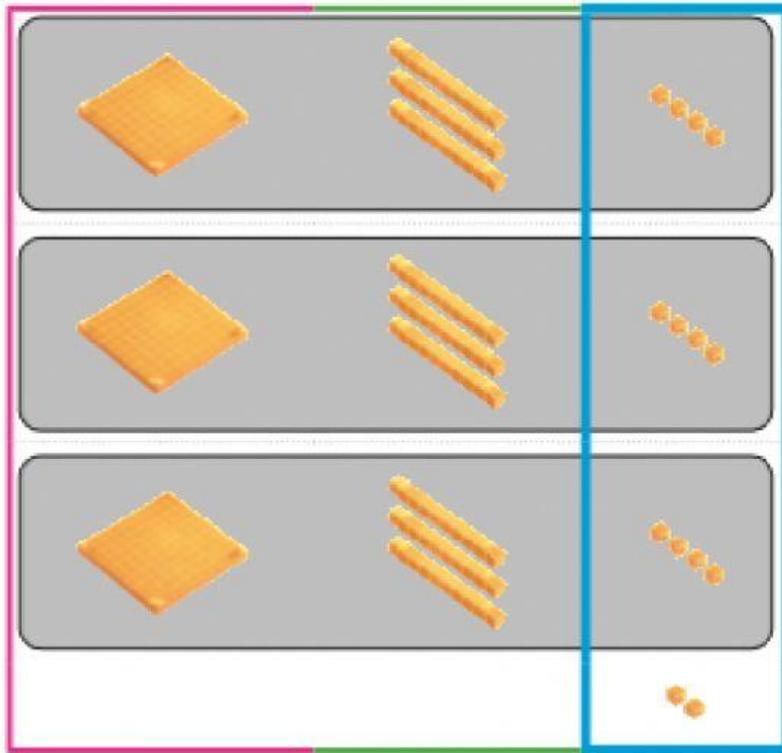
$$10 \text{ ones}$$

$$+ 4 \text{ ones}$$

$$= 14 \text{ ones}$$

$$\begin{array}{r} 13 \\ 3 \overline{) 404} \\ \underline{3} \\ 10 \\ \underline{9} \\ 14 \\ \underline{12} \\ 24 \\ \underline{21} \\ 3 \end{array}$$





Lastly, divide the **ones** by 3.

$14 \text{ ones} \div 3$
 $= 4 \text{ ones in each group with remainder}$

2 ones

$$\begin{array}{r}
 13 \text{ R } 2 \\
 3 \overline{) 404} \\
 \underline{3} \\
 10 \\
 \underline{9} \\
 14 \\
 \underline{12} \\
 2
 \end{array}$$

So, $404 \div 3 = 134 \text{ R}2$