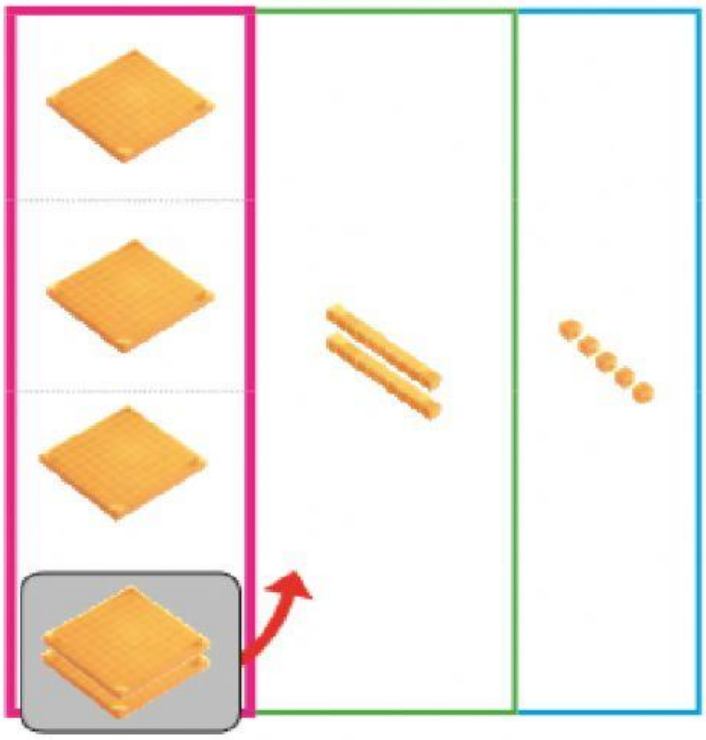
Let's Learn!

Division with Regrouping in Hundreds, Tens and Ones

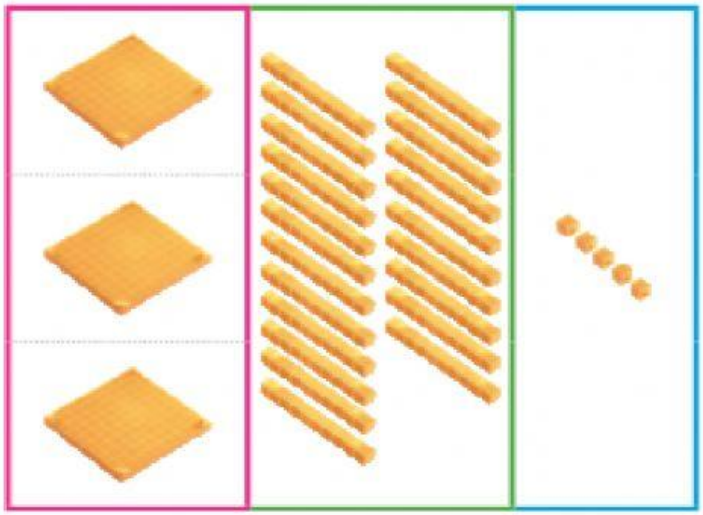
1 Divide 525 by 3.

525 ÷ 3 = ?



First, divide the **hundreds** by 3.
5 hundreds ÷ 3
= 1 hundred in each group
with remainder 2 hundreds

```
   1
3)5 2 5
  3
  ---
  2
```



Regroup the 2 hundreds.
2 hundreds = 20 tens

Add the tens.
20 tens + 2 tens = 22 tens

```
   1
3)5 2 5
  3
  ---
  2 2
```

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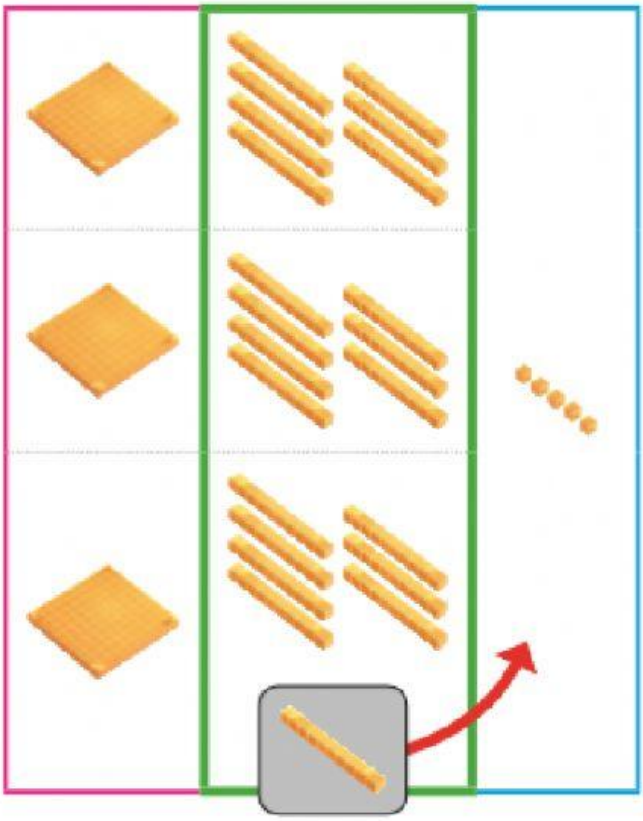
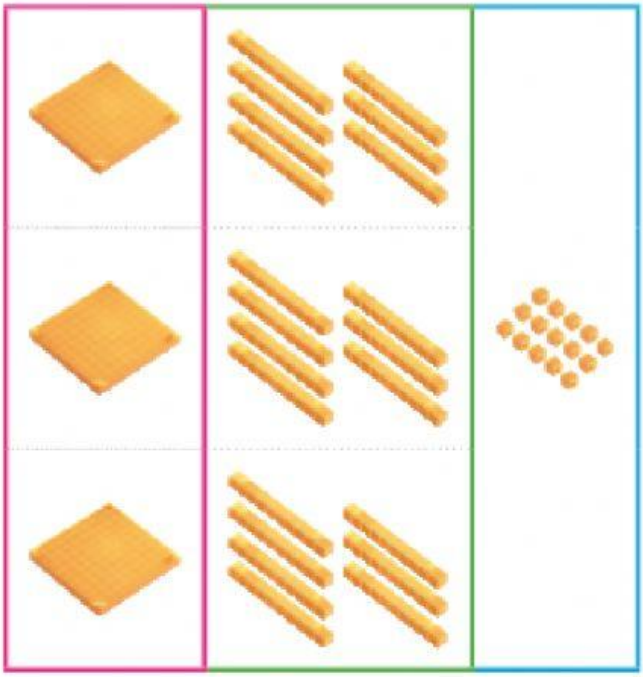
LIVEWORKSHEETS



Then, divide the **tens** by 3.
22 tens ÷ 3
= 7 tens in each group
with remainder 1 ten

```
   1 7
3)5 2 5
   3
   2 2
   2 1
     1
```

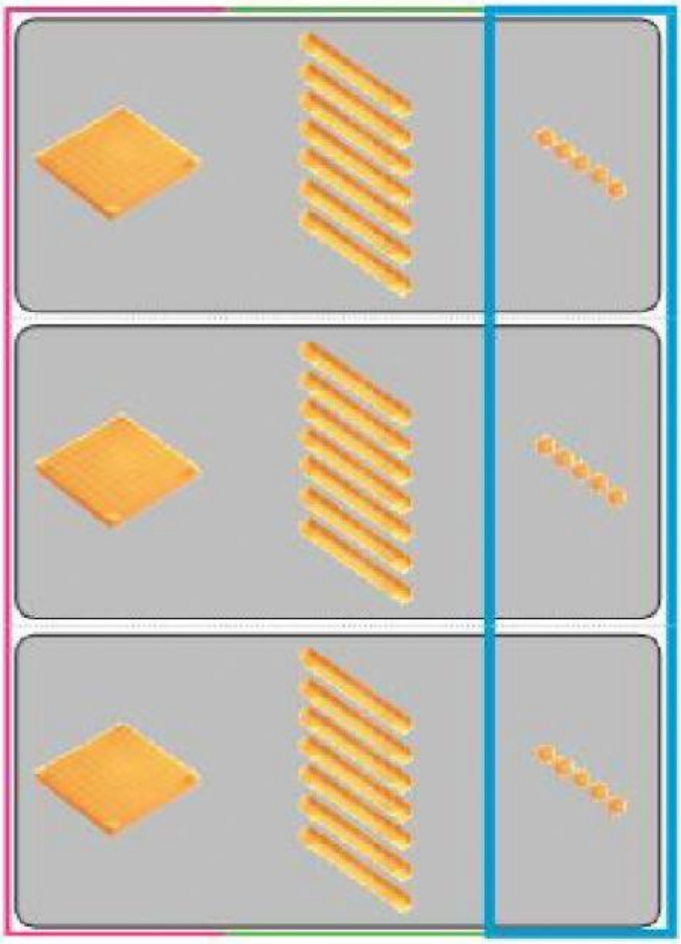


Regroup the 1 ten.
1 ten = 10 ones

Add the ones.
10 ones + 5 ones
= 15 ones

```
   1 7
3)5 2 5
   3
   2 2
   2 1
   1 5
```


LIVEWORKSHEETS



Lastly, divide the **ones** by 3.
15 ones ÷ 3 = 5 ones
in each group

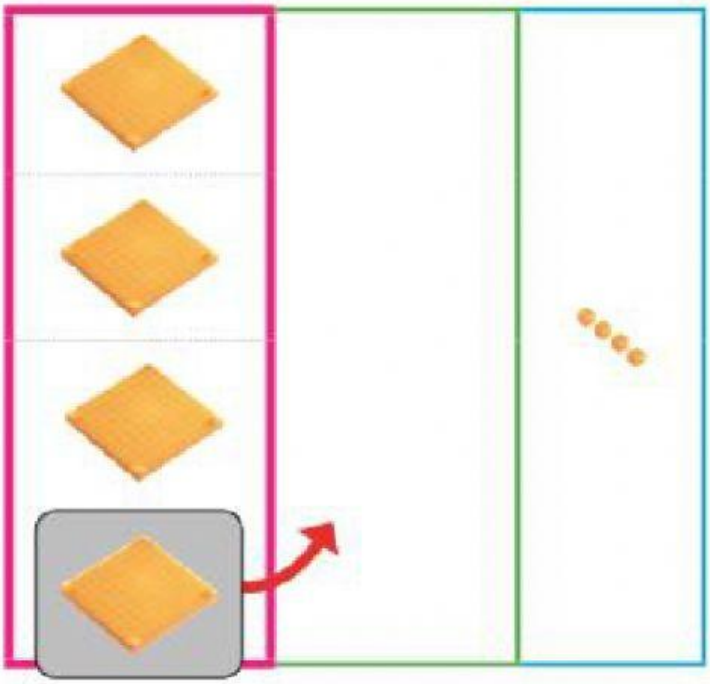
```
   1 7 5
3 ) 5 2 5
    3
    2 2
    2 1
      1 5
      1 5
        0
```

So, 525 ÷ 3 = 175.

LIVEWORKSHEETS

2 What is 404 ÷ 3?

404 ÷ 3 = ?

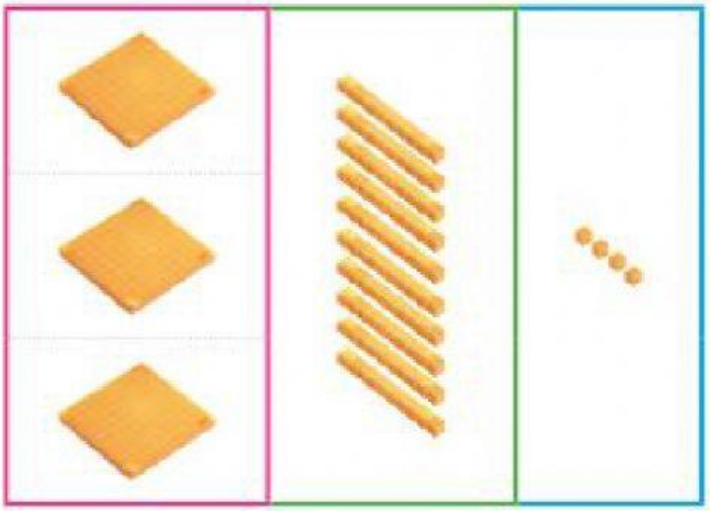


First, divide the **hundreds** by 3.

4 hundreds ÷ 3

= 1 hundred in each group with remainder 1 hundred

$$\begin{array}{r} \square \\ 3\overline{)4\,0\,4} \\ 3 \\ \hline \square \end{array}$$



Regroup the 1 hundred.

1 hundred

= 10 tens

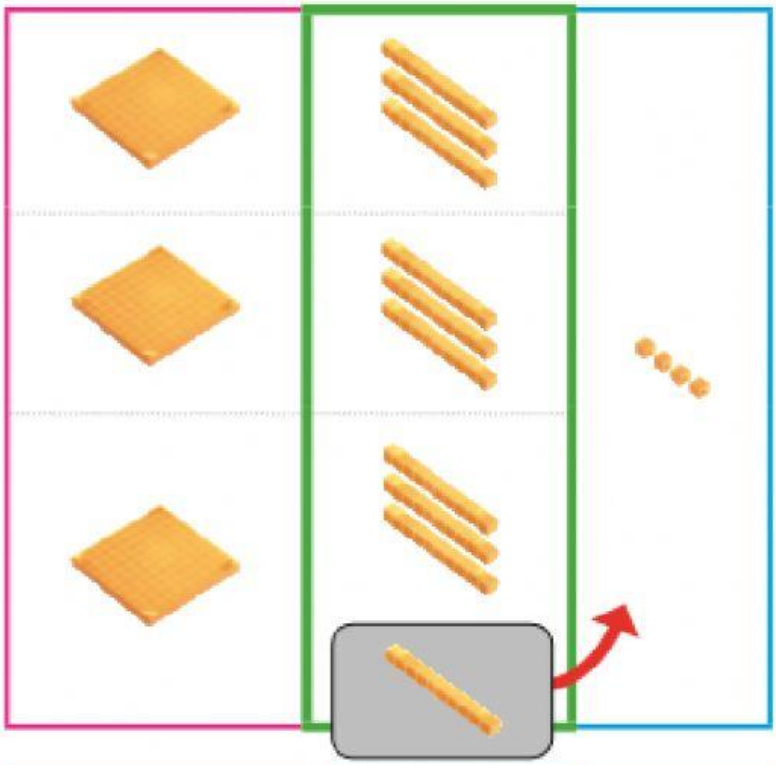
Add the tens.

10 tens + 0 tens

= 10 tens

$$\begin{array}{r} 1 \\ 3\overline{)4\,0\,4} \\ 3 \\ \hline 1\,\square \end{array}$$

LIVEWORKSHEETS



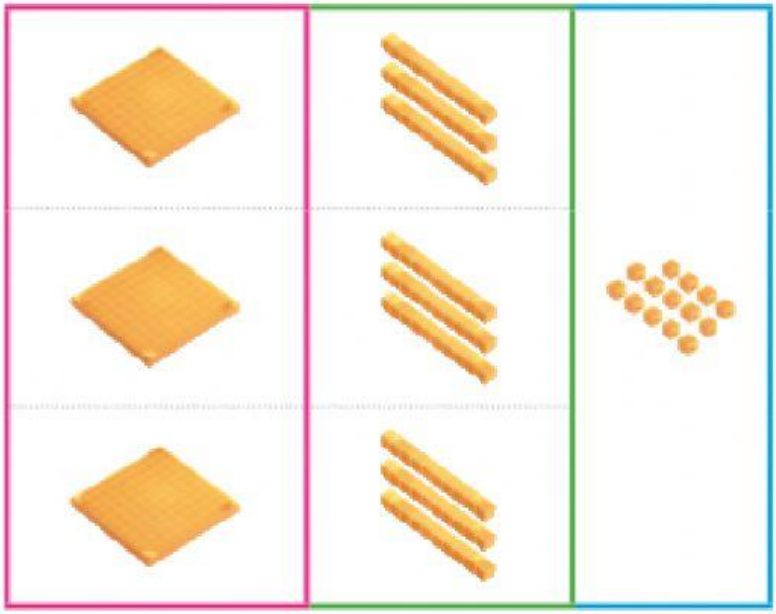
Then, divide the **tens** by 3.

10 tens ÷ 3

= 3 tens in each group with remainder

1 ten

```
   1 ☐
3)4 0 4
  3
  1 0
    ☐
    ☐
```



Regroup the 1 ten.

1 ten

= 10 ones

Add the ones.

10 ones

+ 4 ones

= 14 ones

```
   1 3
3)4 0 4
  3
  1 0
    9
  ☐ ☐
```

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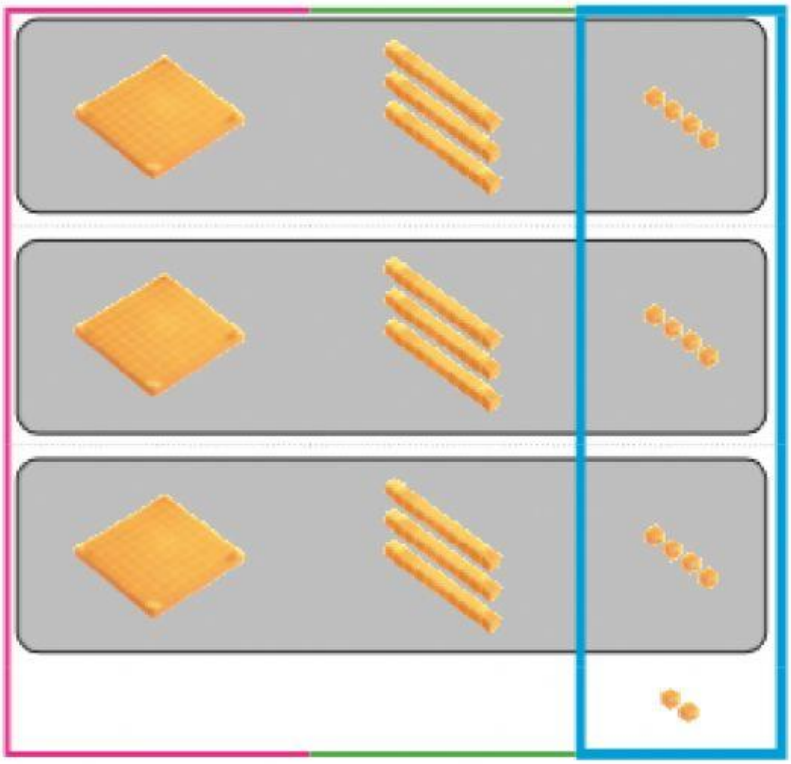
LIVEWORKSHEETS



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

14 ones ÷ 3

= 4 ones in each group with remainder

2 ones

```
   1 3 _ R _
3) 4 0 4
   3
   1 0
     9
     1 4
     1 2
       2
```

So, 404 ÷ 3 = 134 R2

LIVEWORKSHEETS