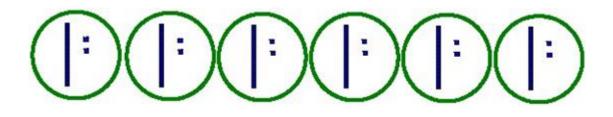
## Model 2 - Digit by I - Digit Division

## Divide 72 into 6 equal groups.

Use base-ten blocks to find the quotient and remainder.

Show 72 as 7 tens and 2 ones.
Then draw 6 circles, since you are dividing 72 by 6.

 $\cdot$  Place an equal number of tens in each circle. If there are any tens left over, regroup them as ones. Now place equal number of ones in each group.



 $\cdot$  Count the number of tens and ones in each circle to find the quotient.

There is 1 ten and 2 ones in each circle. 10 + 2 = 12, so the quotient is 12.

 $\cdot$  There are no leftover blocks, so there is no remainder.

So, 72 ÷ 6 = 12, or 6)72

## Examples:

A- Use base-ten blocks to find the quotient and remainder.1) 25 ÷ 22) 64 ÷ 63) 92 ÷ 82 tens 5 ones6 tens 4 ones9 tens 2 onesdivided by 2divided by 6divided by 810 r 510 r 611 r 4

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