

Model 2 - Digit by 1 - 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.
- 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.



- 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.

- There are no leftover blocks, so there is no remainder.

So, $72 \div 6 = 12$, or $6 \overline{)72}^{12}$

Examples:

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

1) $25 \div 2$

2 tens 5 ones
divided by 2
10 r 5

2) $64 \div 6$

6 tens 4 ones
divided by 6
10 r 6

3) $92 \div 8$

9 tens 2 ones
divided by 8
11 r 4