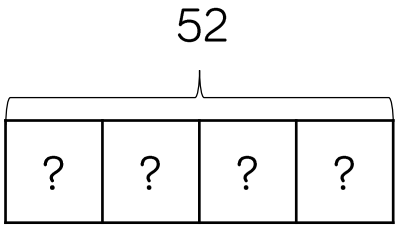
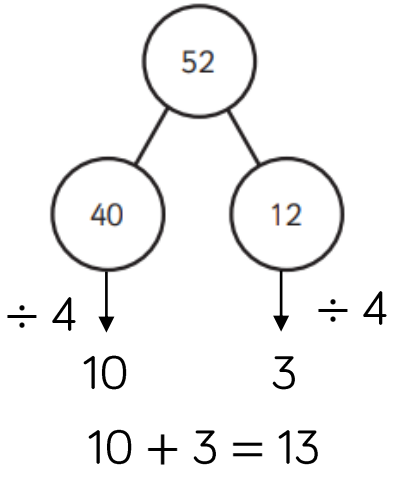
## Skill: Divide 2-digits by 1-digit (sharing with exchange)

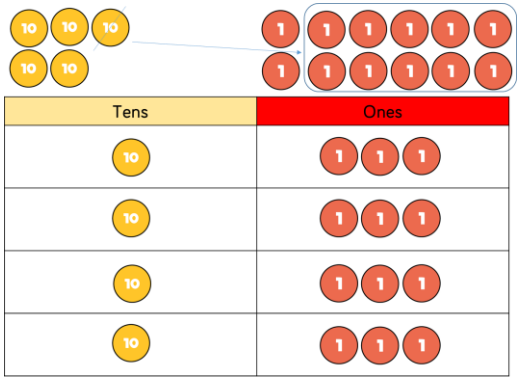
## Year: 3/4

| Tens | Ones |
|---|---|
| | |
| | |
| | |
| | |




**52 ÷ 4 = 13**



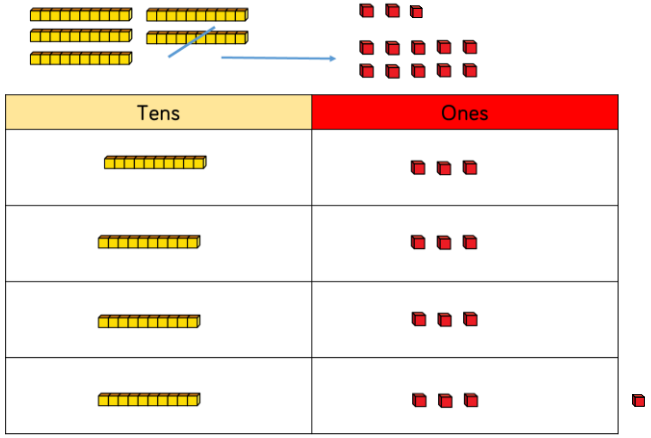
| Tens | Ones |
|---|---|
| 10 | 1 1 1 |
| 10 | 1 1 1 |
| 10 | 1 1 1 |
| 10 | 1 1 1 |

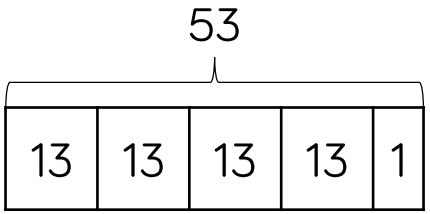
When dividing numbers involving an exchange, children can use Base 10 and place value counters to exchange one ten for ten ones.
Children should start with the equipment outside the place value grid before sharing the tens and ones equally between the rows.

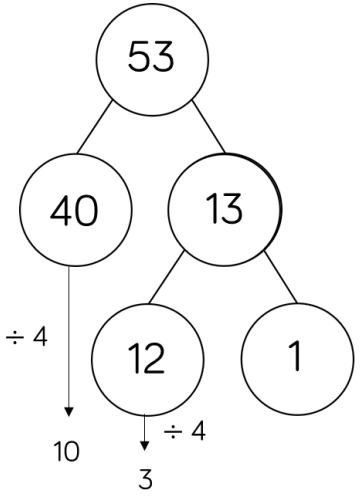
Flexible partitioning in a part-whole model supports this method.

## Skill: Divide 2-digits by 1-digit (sharing with remainders)

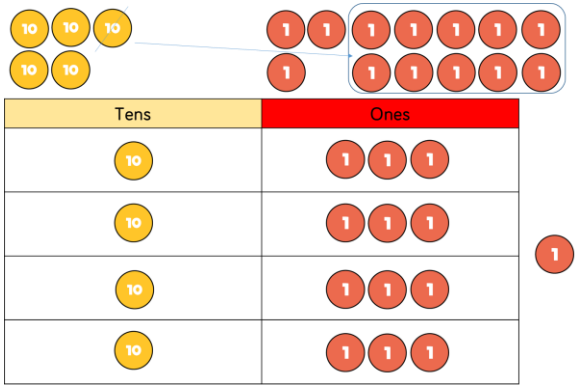
## Year: 3/4




**53 ÷ 4 = 13 r1**




When dividing numbers with remainders, children can use Base 10 and place value counters to exchange one ten for ten ones.
Starting with the equipment outside the place value grid will highlight remainders, as they will be left outside the grid once the equal groups have been made.
Flexible partitioning in a part-whole model supports this method.