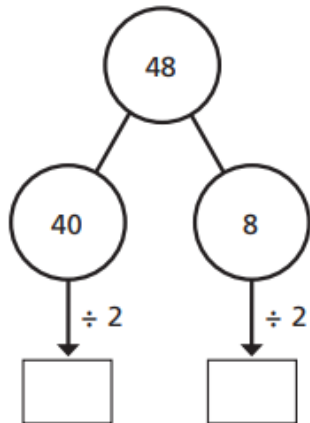
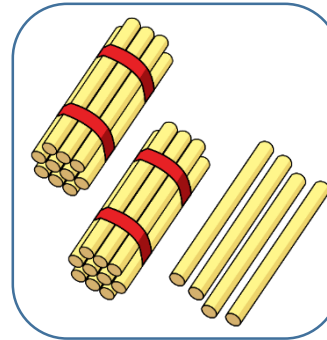
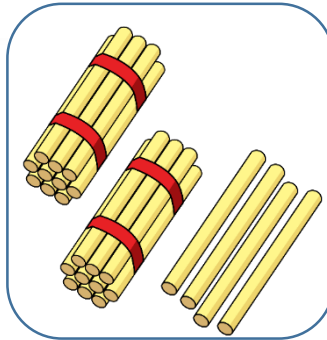


**Division**

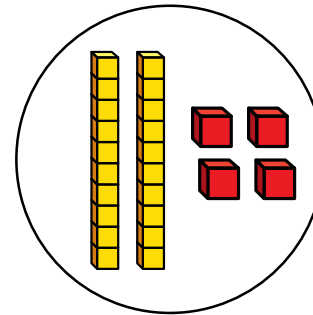
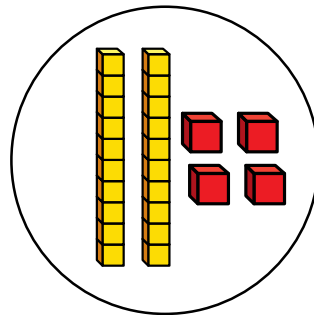
## Skill: Divide 2-digits by 1-digit (sharing with no exchange)

Year: 3

Tens	Ones
10 10	1 1 1 1
10 10	1 1 1 1



$$48 \div 2 = 24$$



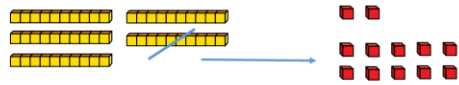
When dividing larger numbers, children can use manipulatives that allow them to partition into tens and ones.

Straws, Base 10 and place value counters can all be used to share numbers into equal groups.

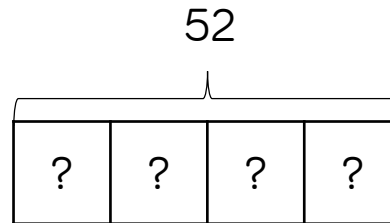
Part-whole models can provide children with a clear written method that matches the concrete representation.

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

Year: 3/4



Tens	Ones



$$52 \div 4 = 13$$

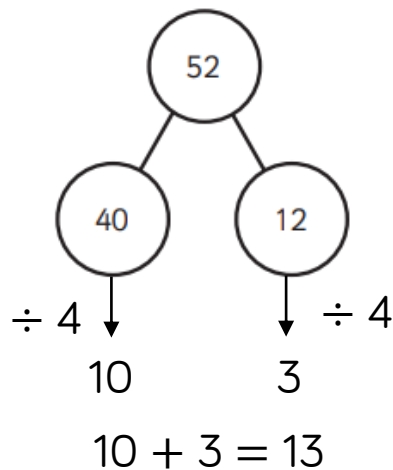


Diagram showing the base 10 blocks and place value grid for 52 divided by 4. The number 52 is represented by 5 tens rods and 2 one units. The place value grid shows the division process, with 10 ones in the ones column and 3 ones in the ones column, resulting in 13.

Tens	Ones

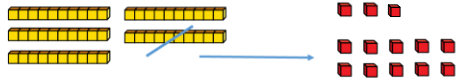
When dividing numbers involving an exchange, children can use Base 10 and place value counters to exchange one ten for ten ones.









Children should start with the equipment outside the place value grid before sharing the tens and ones equally between the rows.

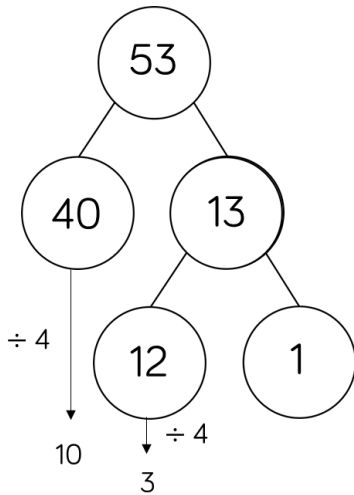
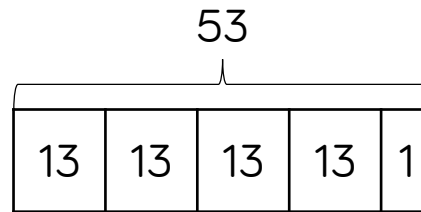
Flexible partitioning in a part-whole model supports this method.

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









Year: 3/4



Tens	Ones
	
	
	
	



$$53 \div 4 = 13 \text{ r}1$$

Tens	Ones
	
	
	
	

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.