

## Key Vocabulary

## Addition and Subtraction Bonds to 20

Add

Total

Make

Plus

Sum

More

Altogether

Difference

Leave

Subtract

Difference between

Less

Minus

Take away

Mentally, Orally

Column Addition

Column Subtraction

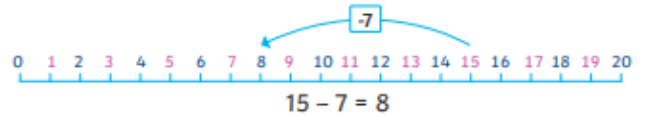
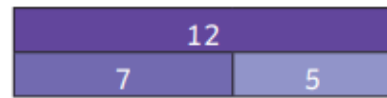
Estimate

Inverse operation

Solve problems

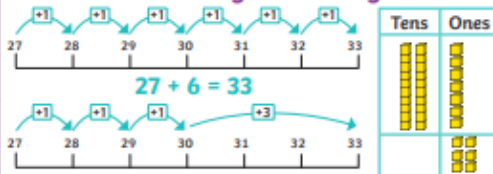
Number facts

Place Value

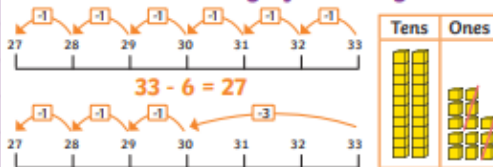


## Methods

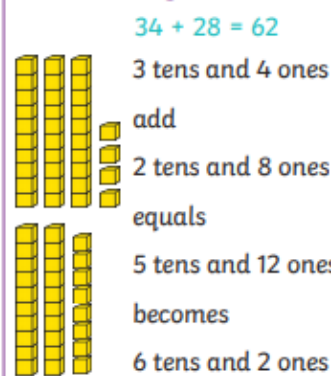
### Add 2-digit and 1-digit



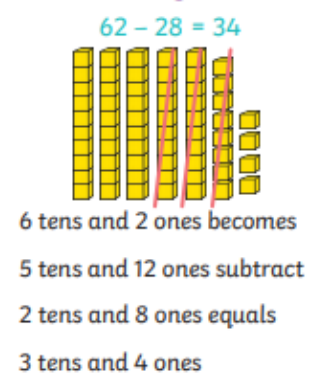
### Subtract 1-digit from 2 digit



### Add 2-digit numbers



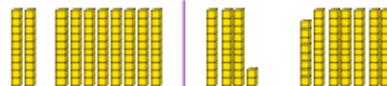
### Subtract 2-digit numbers



## Addition and Subtraction Bonds to 100

$$2 + 8 = 10$$

$$\text{so } 20 + 80 = 100$$

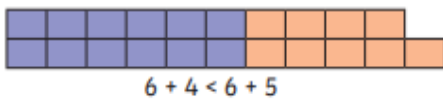


$$32 + 68 = 100$$

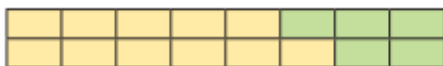
3 tens and 2 ones + 6 tens and 8 ones  
= 9 tens and 10 ones = 10 tens = one hundred

## Mental Methods

### Compare Number Sentences



$$6 + 4 < 6 + 5$$



$$5 + 3 = 6 + 2$$

### Related facts

$$5 + 4 = 9 \text{ so } 50 + 40 = 90$$



### Add 3 1-digit numbers

$$9 + 5 + 3 = 17$$

## More or Less/ Add and Subtract 1s and 10s

### Add and subtract 1s

$$24 + 1 = 25$$

$$24 + 2 = 26$$

$$24 + 3 = 27$$



$$37 - 1 = 36$$

$$37 - 2 = 35$$

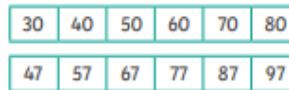
$$37 - 3 = 34$$



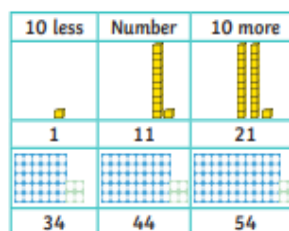
There are 7 flowers in a vase. One more is added. Now there are 8 flowers.



### 10 More or Less



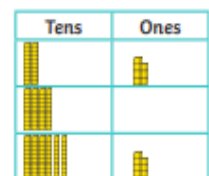
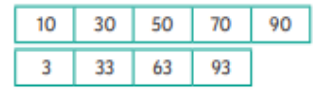
The ones digit stays the same.



Take care when crossing hundreds:



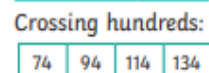
### Add and Subtract 10s



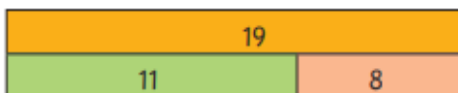
$$27 + 40 = 67$$



$$72 - 30 = 42$$



## Check Calculations



$19 - 8 = 11$  can be checked using  $8 + 11 = 19$



$32 + 5 = 82 \times$  Spot that 5 tens have been added not 5 ones

$28 - 26 = 12 \times$  Spot that 28 and 26 are very close together, so difference won't be 12.

$37 - 4 = 41 \times$  Spot that if subtracting 4 the answer will be smaller.

$68 - 40 = 64 \times$  Spot that 4 ones have been subtracted and not 4 tens.