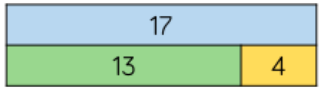
Templars Primary School Knowledge Organiser — Year 2 Addition and Subtraction

Key Vocabulary

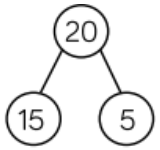
- fact families
- check
- number bonds
- compare
- related facts
- estimate
- number line
- column addition
- carry
- exchange
- one-step problem
- two-step problem
- missing number problem
- inverse

Fact families

4 + 3 = 7 3 + 4 = 7
7 – 4 = 3 7 – 3 = 4

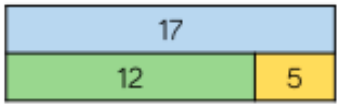


13 + 4 = 17 4 + 13 = 17
17 – 4 = 13 17 - 13 = 4



15 + 5 = 20 5 + 15 = 20
20 – 15 = 5 20 – 5 = 15

Check calculations



Using our fact families, 17 - 12 = 4 can be checked using the inverse
12 + 4 = 17

24 + 6 = 84

This can't be right because 6 more than 24 is 30. 6 has been added to the tens not the ones.

18 – 3 = 21

Know that if subtracting, the answer will be smaller than the number we started with.

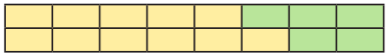
25 - 23 = 12

Spot that 25 and 23 are very close together, so the difference won't be 12

Mental methods

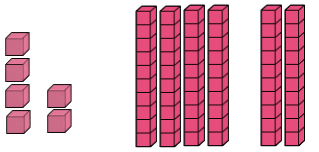
Compare number sentences

6 + 4 < 6 + 5



5 + 3 = 6 + 2

Related facts



4 + 2 = 6 so 40 + 20 = 60

Add three 1-digit numbers

9 + 5 + 3 = 17

Bonds to 100 (Tens)

40 + 60 = 100 80 + 20 = 100

Add and subtract 1s and 10s

Add and subtract 1s / 1 more 1 less

24 + 1 = 25
24 + 2 = 26
24 + 3 = 27

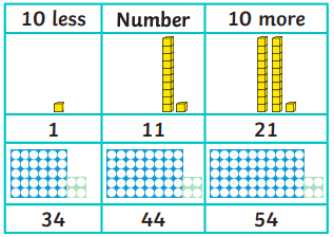
24	25	26	27	28	29	30	31

37 – 1= 36
37 – 2 = 35
37 – 3 = 34

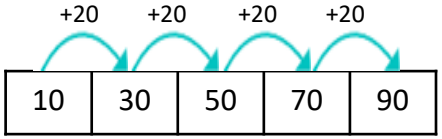
10 more or less

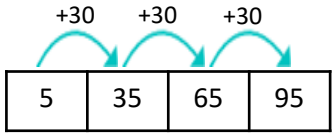
30	40	50	60	70	80
47	57	67	77	87	97

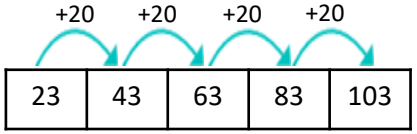
When adding or subtracting multiples of 10, **the ones stay the same.**



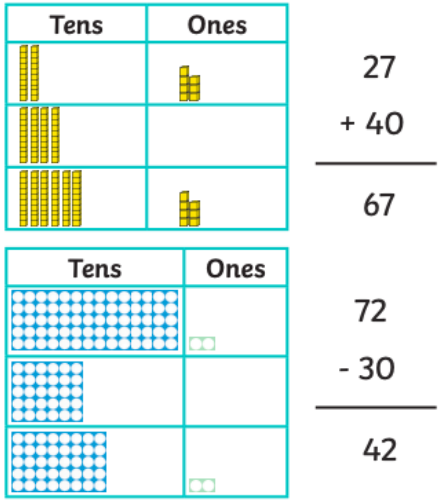
Add and subtract 10s







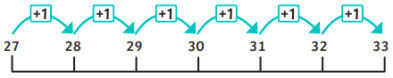
When adding tens, the ones stay the same



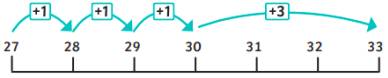
Written methods

Add 2-digit and 1-digit

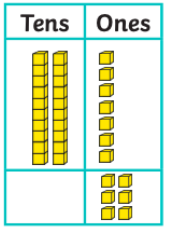
27 + 6= 33



Can you put the larger number in your head and count on the smaller number?



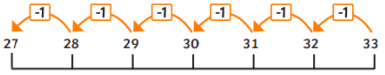
Can you use number bonds?



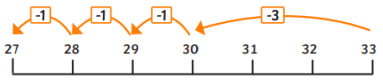
- Partition both the numbers
- Add together the ones
- If we have 10 ones, exchange 10 ones for 1 ten
- How many ones do we have?
- How many tens do we have?

Subtract 2-digit and 1-digit

33 – 6 = 27



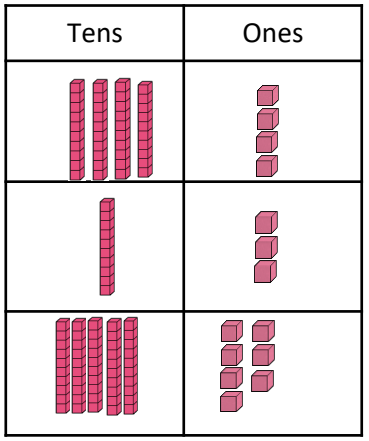
Can you put the larger number in your head and count back the smaller number?



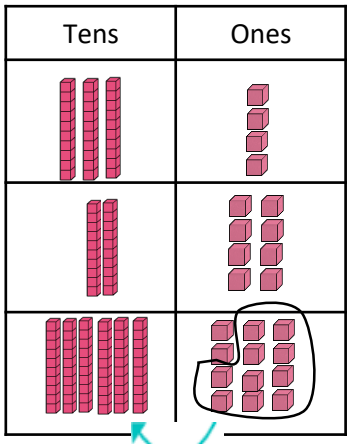
Can you use number bonds?

Add 2-digit numbers

44 + 13 = 57



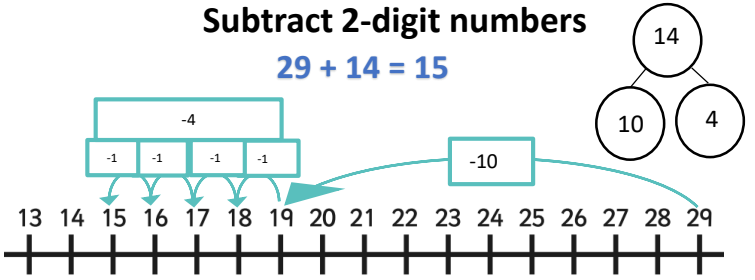
34 + 28 = 62



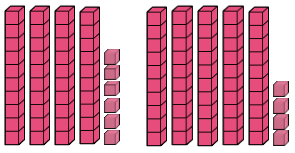
5 tens and 12 ones becomes 6 tens and 2 ones

Subtract 2-digit numbers

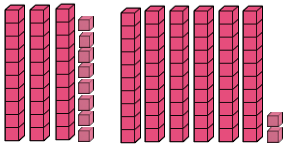
29 + 14 = 15



Number bonds to 100



46 + 54 = 100
4 tens and 6 ones + 5 ones and 4 ones
= 9 tens and 10 ones = 10 tens = one hundred



38 + 62 = 100
3 tens and 8 ones + 6 tens and 2 ones
= 9 tens and 10 ones = 10 tens = one hundred