Addition and Subtraction

Knowledge Organiser

Key Vocabulary

- 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

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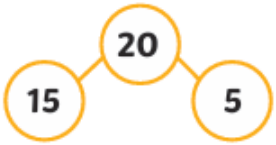
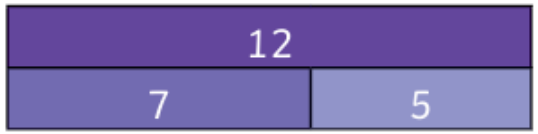
Addition and Subtraction Bonds to 20



15 + 5 = 20
20 – 5 = 15
20 – 15 = 5

4 + 3 = 7

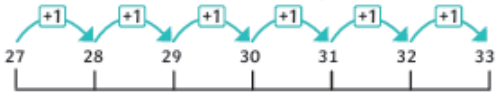


7 + 5 = 12
12 – 5 = 7
12 – 7 = 5

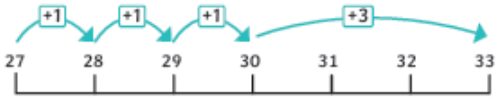
15 – 7 = 8

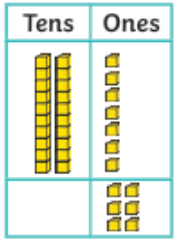
Methods

Add 2-digit and 1-digit



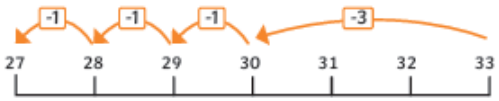
27 + 6 = 33

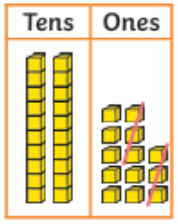




Subtract 1-digit from 2-digit

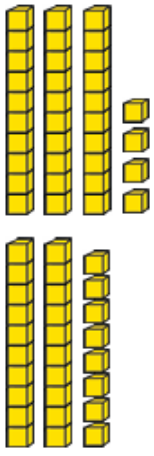
33 - 6 = 27





Add 2-digit numbers

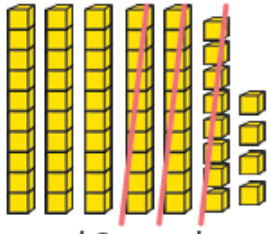
34 + 28 = 62



3 tens and 4 ones
add
2 tens and 8 ones
equals
5 tens and 12 ones
becomes
6 tens and 2 ones

Subtract 2-digit numbers

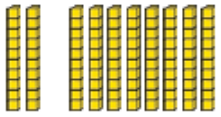
62 – 28 = 34

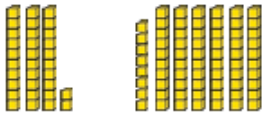


6 tens and 2 ones becomes
5 tens and 12 ones subtract
2 tens and 8 ones equals
3 tens and 4 ones

Addition and Subtraction Bonds to 100

2 + 8 = 10
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

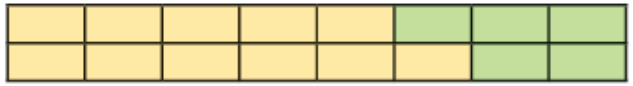
Addition and Subtraction

Knowledge Organiser

Mental Methods

Compare Number Sentences

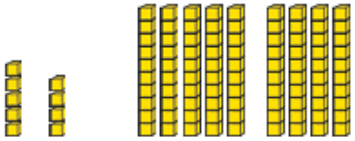
6 + 4 < 6 + 5



5 + 3 = 6 + 2

Related facts

5 + 4 = 9 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

24	25	26	27	28	29	30	31

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

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

The ones digit stays the same.

10 less	Number	10 more
1	11	21
34	44	54

Take care when crossing hundreds:

86	96	106	116

Add and Subtract 10s

10	30	50	70	90
3	33	63	93	

Tens	Ones

27

+ 40

67

Tens	Ones

72

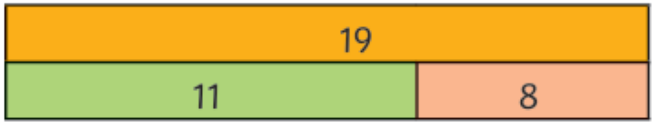
- 30

42

Crossing hundreds:

74	94	114	134

Check Calculations



19 – 8 = 11 can be checked using 8 + 11 = 19

32 + 5 = 82 x Spot that 5 tens have been added not 5 ones

28 – 26 = 12 x Spot that 28 and 26 are very close together, so difference won't be 12.

37 – 4 = 41 x Spot that if subtracting 4 the answer will be smaller.

68 – 40 = 64 x Spot that 4 ones have been subtracted and not 4 tens.

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