

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

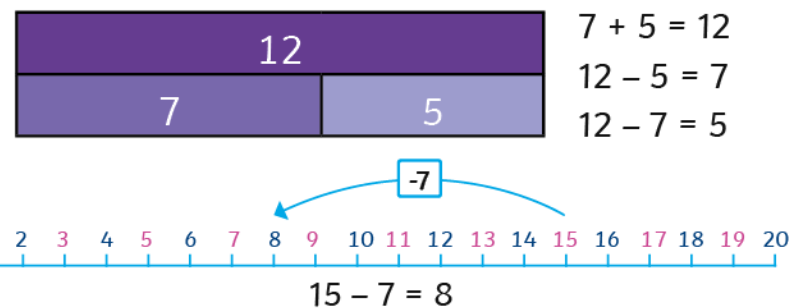
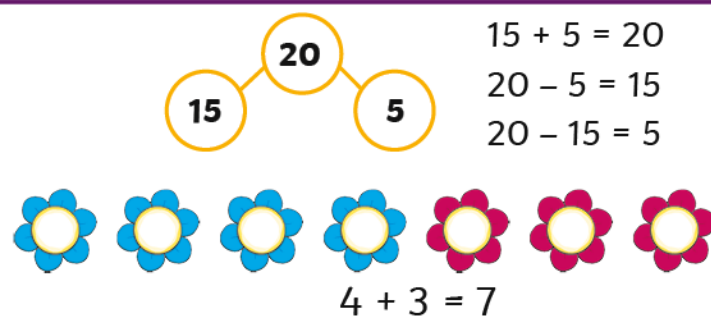
Inverse operation

Solve Problems

Number facts

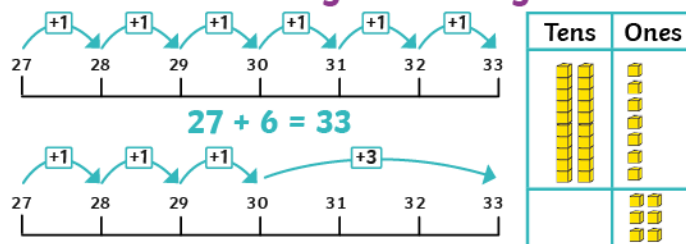
Place Value

Addition and Subtraction Bonds to 20

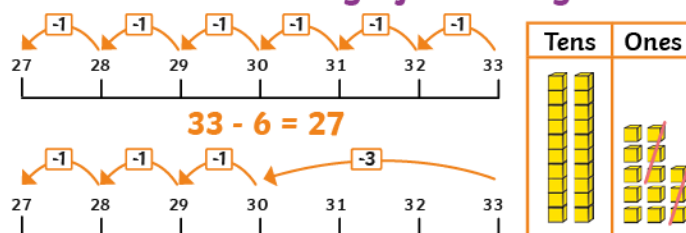


Methods

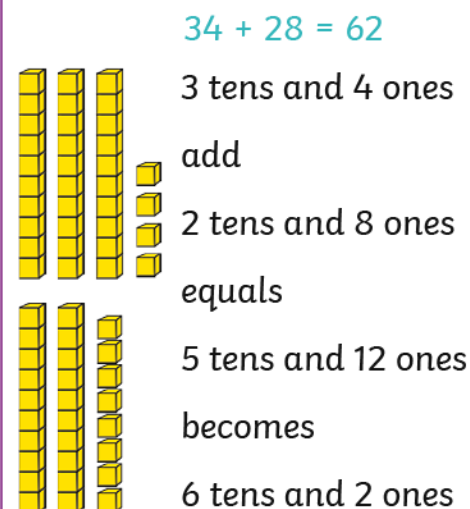
Add 2-digit and 1-digit



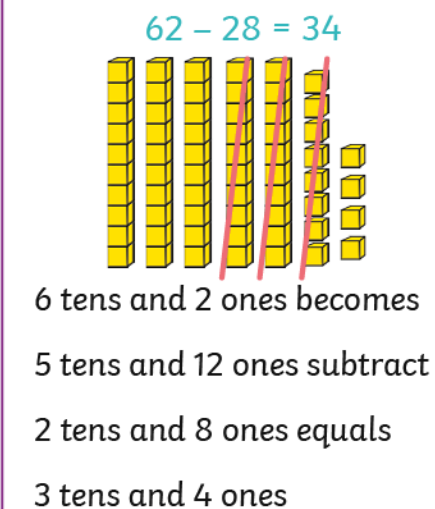
Subtract 1-digit from 2-digit



Add 2-digit numbers

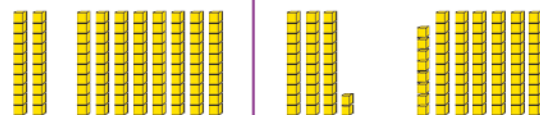


Subtract 2-digit numbers



Addition and Subtraction Bonds to 100

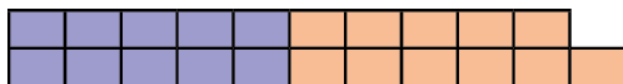
$2 + 8 = 10$
 so $20 + 80 = 100$



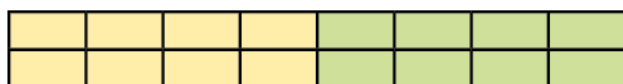
$32 + 68 = 100$
 3 tens and 2 ones + 6 tens and 8 ones
 = 9 tens and 10 ones = 10 tens = one hundred

Mental Methods

Compare Number Sentences



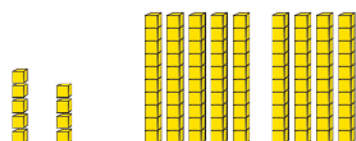
$$6 + 4 < 6 + 5$$



$$5 + 3 = 6 + 2$$

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

$$24 + 1 = 25$$

$$24 + 2 = 26$$

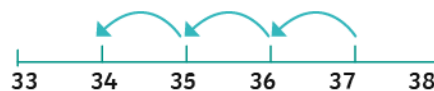
$$24 + 3 = 27$$



$$37 - 1 = 36$$

$$37 - 2 = 35$$

$$37 - 3 = 34$$



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

Now there are 8 flowers.



10 More or Less

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
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Add and Subtract 10s

10	30	50	70	90
3	33	63	93	

Tens	Ones

$$27$$

$$+ 40$$

$$67$$

Tens	Ones

$$72$$

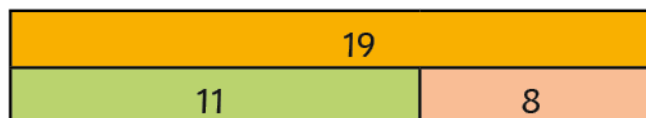
$$- 30$$

$$42$$

Crossing hundreds:

74	94	114	134
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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.