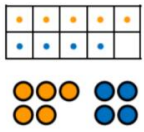
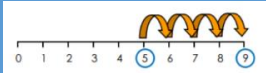




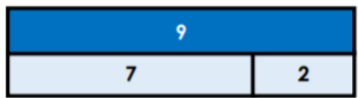
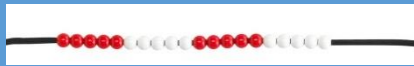
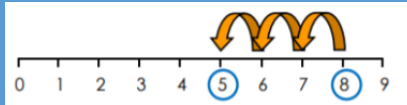
PRIOR LEARNING & OVERVIEW

Year 1

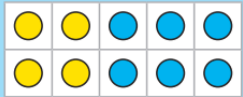
Addition and Subtraction to 20



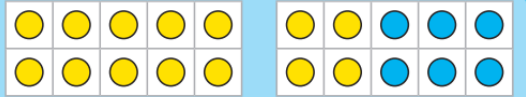
For $10 - 4$, you need to draw ten circles and cross out 4.



$?\ + 2 = 9$



$4 + 6 = 10$
 $10 - 6 = 4$



$14 + 6 = 20$
 $20 - 6 = 14$

Key Vocabulary

Add	Subtract
Total	Difference
Altogether	Take away
Column addition	Column subtraction
Estimate	Inverse operations
Number facts	Place value

Year 2

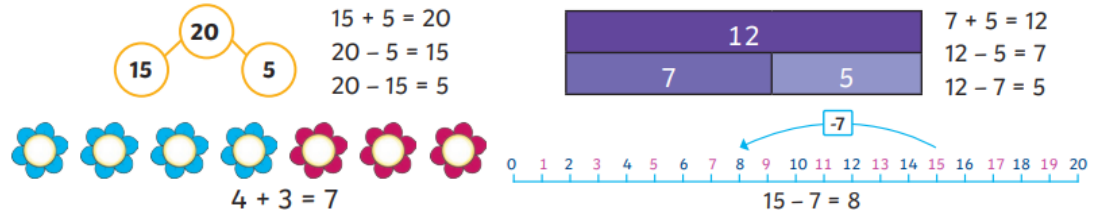
Recall and use addition and subtraction facts to 20 and 100.

Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:

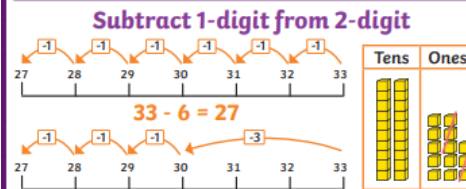
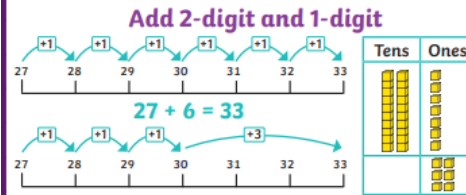
- o a two-digit number and ones
- o a two-digit number and tens
- o two two-digit numbers
- o adding three one-digit numbers

Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.

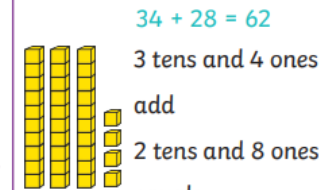
Addition and Subtraction Bonds to 20



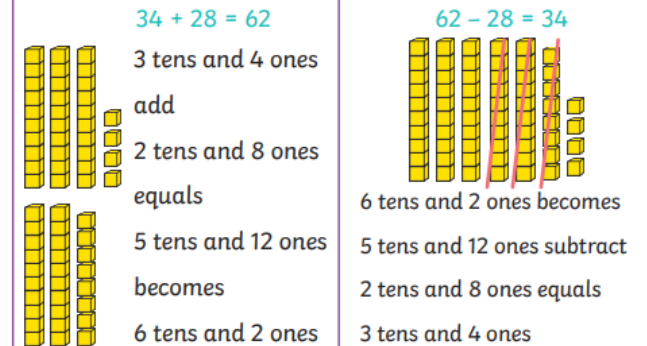
Methods



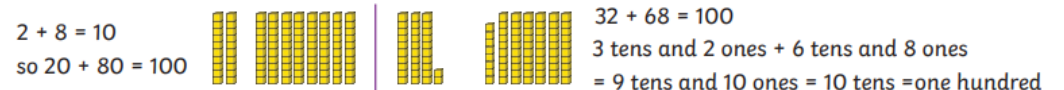
Add 2-digit numbers



Subtract 2-digit numbers

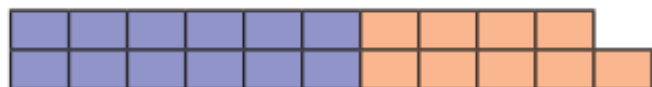


Addition and Subtraction Bonds to 100

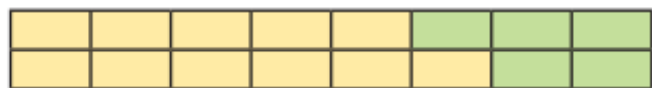


Mental Methods

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

$$24 + 1 = 25$$

$$24 + 2 = 26$$

$$24 + 3 = 27$$



$$37 - 1 = 36$$

$$37 - 2 = 35$$

$$37 - 3 = 34$$

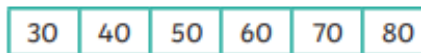


There are 7 flowers in a vase. One more is added.

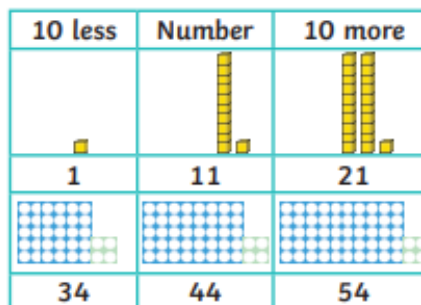
Now there are 8 flowers.



10 More or Less



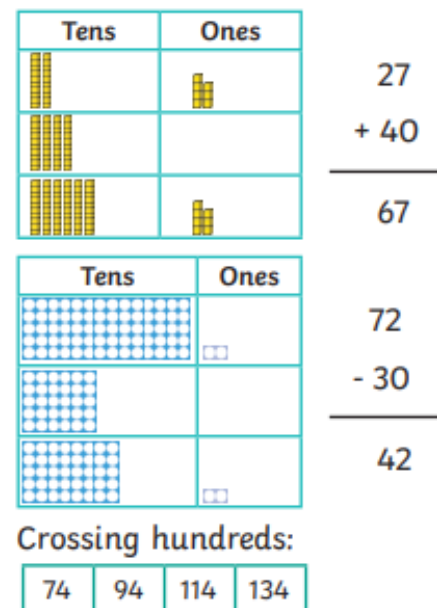
The ones digit stays the same.



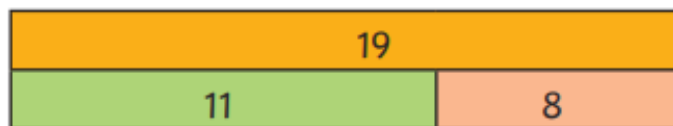
Take care when crossing hundreds:



Add and Subtract 10s



Check Calculations



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

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

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

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

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