# ADDITION +

## Year 3 Add numbers up to 3 digits

Use partitioning method for addition to add two or three 3-digit numbers or three 2-digit numbers (see year 2) Begin to use compact column addition to add numbers with three digits.

Use this intermediate step only if children experience difficulty moving on from partitioning method

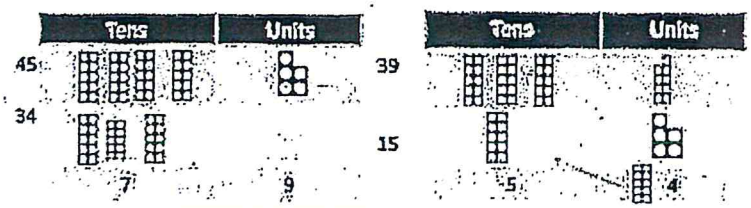
```
 236
+ 73
-----
   9
 100
 200
-----
 309
```

**When do we know children are ready for this method?**

Do they know addition and subtraction facts to 20?

Do they understand place value and can they partition numbers?

Can they explain their mental strategies orally and record them using informal jottings?




```
 236
+ 73
-----
 309
  1
```

Add the units first, carry numbers underneath the bottom line, remind pupils of actual value eg, 3 tens add 7 tens.

Children who are very secure and confident with 3-digit expanded column addition, should be moved onto the compact column addition method, involving carrying. A comparison of the partitioning addition method to compact method is useful to show minimising the number of steps involved.

**Key vocabulary** add, more, plus, and, make, altogether, total, equal to, equals, double, most, count on, number line, sum, tens, units, partition, addition, column, tens boundary, hundreds boundary, increase, vertical, 'carry', expanded, compact

### Key Skills for addition at Year 3

- Know pairs with each total to 20
- Know pairs of multiples of 10 with a total of 100
- Add any two 2-digit numbers by counting on in 10s and 1s or by using partitioning
- Add multiples and near multiples of 10 and 100
- Add 1,10, 100 to 3-digit numbers
- Understand place value in 3-digit numbers
- Perform place value additions without a struggle. (E.g. 300 + 8 + 50 = 358)
- Use place value and number facts to add a 1-digit or 2-digit number to a 3-digit number number. (E.g. 104 + 56 is 160 since 104+50=154 and 6+4=10 and 676 + 8 is 684 since 8=4+4 and 76+4+4=84)
- Add pairs of 'friendly' 3-digit numbers mentally, e.g. 320 + 450
- Begin to add amounts of money using partitioning.
- Solve problems with addition using number facts, place value, missing numbers.