

ADDITION+

Year 4 Add numbers with up to 4 digits

Continue to use the compact column method, adding units first and carrying underneath the calculation. Also include money and measures contexts.

$$\begin{array}{r} 3517 \\ + 396 \\ \hline 3913 \end{array}$$

Add the units first

Carry numbers underneath

Remind pupils of actual value eg, 1 ten add 9 tens.

Children use and apply this method to money and measures.

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, thousands, hundreds, digits, inverse

Key Skills for addition at Year 4

- Select appropriate method, mental, jottings, written—and explain why
- Add any two 2-digit numbers by partitioning or counting on
- Know by heart/quickly derive number bonds to 100 (eg $32 + 68$) and to £1 ($64p + 36p$)
- Add to the next hundred, pound and whole number. (E.g. $234 + 66 = 300$, $3.4 + 0.6 = 4$)
- Perform place value additions without a struggle. (E.g. $300 + 8 + 50 + 4000 = 4358$)
- Add multiples and near multiples of 10, 100 and 1000.
- Add £1, 10p, 1p to amounts of money
- Use place value and number facts to add 1-, 2-, 3- and 4-digit numbers where a mental calculation is appropriate". (E.g. $4004 + 156$ by knowing that $6+4=10$ and that $4004+150= 4154$ so total is 4160)
- Perform inverse operations to check
- Solve 2-step problems in context
- Continue to practise a wide range of mental addition strategies eg. Round and adjust, near doubles, number bonds, partitioning and recombining