

Written addition of 3-digit numbers

WHAT THIS LESSON TEACHES

Stack the 3-digit numbers so hundreds sit over hundreds, tens over tens and units over units, then add each column from the right. When a column makes ten or more, write the units digit and carry the ten to the next column on the left.

→ $256 + 137$ has units $6 + 7 = 13$, so write 3 and carry 1 to the tens.

→ In $367 + 218$ the carry from units is added when the tens column is totalled.

MODEL THIS ON THE BOARD

ADDING 256 APPLES AND 137 APPLES

- 1 Stack 256 over 137 with units under units, tens under tens and hundreds under hundreds.
- 2 Add the units: $6 + 7 = 13$. Write **3** in the units and carry **1** to the tens.
- 3 Add the tens: $5 + 3 + \text{carried } 1 = 9$. Write **9** in the tens.
- 4 Add the hundreds: $2 + 1 = 3$. Write **3** in the hundreds.
- 5 The total is 393.

ANSWER KEY

a) 593

b) 820

c) 823

Q1: 582

Q2: 377

Q3: 473

Q4: 893

a) **Always** — The written method always starts at the right-hand units column and works left.

b) **Always** — Any ten made in units must move one place left into the tens.

c) **Sometimes** — A carry appears only when a column total reaches ten or more, which does not always happen.

d) **Never** — Columns are always added from right to left, so units come first.