

Lesson 8 **NUMBER****Counting on and back in 10s and 100s; 1, 10, 100 more or less**

WHAT THIS LESSON TEACHES

Stepping ten forwards or ten backwards changes only the tens digit, unless the tens digit rolls over past 9 (then the hundreds change too). Counting on or back in 100s changes only the hundreds digit.

→ 240, 250, 260 – the tens digit climbs 4, 5, 6 while the hundreds and units stay the same.

→ 290 add 10 becomes 300 – the nine tens roll into a hundred so tens become 0 and hundreds rise by 1.

MODEL THIS ON THE BOARD

ROLLOVER WHEN ADDING 10 TO 290

- 1 Start at **290** and look at the tens digit.
- 2 The tens digit is already **9**, so it cannot simply climb one more.
- 3 Adding 10 rolls the nine tens into a new hundred: tens become **0** and the hundreds digit rises from **2** to **3**.
- 4 The new number is **300**.

DISCUSSION STARTER

REFLECT When you count on in tens or hundreds, what stays the same and what changes?

ANSWER KEY

Scaffold: visual check on the page

Q1: 230 fans

Q2: 260 metres

Q3: 370

Q4: 300 euro

Q5: 415

a) Sometimes — It is true until the tens digit is 9, when the hundreds digit must change too.

b) Always — The tens and units digits always stay exactly the same.

c) Always — The nine tens roll over to make one extra hundred and leave 0 tens.

d) Never — 300 minus 10 is 290, so both the hundreds and the tens digits change.