

Counting on and back in 10s, 100s and 1000s

WHAT THIS LESSON TEACHES

Adding or taking away a ten changes the tens digit, a hundred changes the hundreds digit, and a thousand changes the thousands digit — usually just one column moves. If a digit is a 9, it rolls over to 0 and passes one along to the next column.

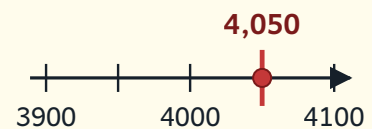
→ 100 more than 3,450 is 3,550: only the hundreds digit changed from 4 to 5.

→ 100 more than 4,950 is 5,050: the hundreds rolled from 9 to 0 and passed one into the thousands.

MODEL THIS ON THE BOARD

100 MORE THAN 3,950

- ① Start at 3,950 and jump +100 (watch the hundreds digit).
- ② The hundreds digit is 9; $9 + 1 = 10$, so it rolls over to 0.
- ③ The extra 1 passes into the thousands: 3 becomes 4.
- ④ Land on 4,050.



ANSWER KEY

Scaffold: visual check on the page

Q1: 5,270

Q2: 3,496

Q3: 3,070

Q4: 8,300

Q5: 4,970

a) **Sometimes** — Usually the tens digit changes, but if it is a 9 it rolls to 0 and passes one into the hundreds.

b) **Never** — A jump of 1,000 moves the thousands column, so the ones digit stays the same.

c) **Always** — Removing 100 always makes the number 100 smaller.

d) **Sometimes** — It only happens when the hundreds digit is 9 and rolls over, like 4,950 to 5,050.

EXTENSION SHEET · STRETCH ANSWERS

S1: 2

S2: -22

S3: 18

S4: 35

S5: 38