

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

CURRICULUM ALIGNMENT

NUM.PVT.3

explore equivalent numerical expressions of numbers using the base ten system.

NUM.OPS.3

understand and apply flexibly the four operations; and the relationships between operations.

INTERACTIVES

Place Value Chart (Sliding Digits) · display

Number Line Jumps · challenge, display

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.

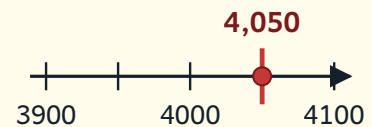
→ 100 more than 3,450 is 3,550: only the hundreds digit changed from 4 to 5.

→ 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

Spot: When the hundreds column rolls over, carry 1 into the thousands. $4,950 + 100 = 5,050$.

EXTENSION SHEET · STRETCH ANSWERS

S1: 2**S2:** -22**S3:** 18**S4:** 35**S5:** 38