

Lesson 4 **NUMBER****Partitioning and renaming numbers**

WHAT THIS LESSON TEACHES

Partitioning means splitting a number into the value of each place: thousands, hundreds, tens and units. Renaming means naming a number in a different grouping, like counting how many hundreds it is, without changing the amount.

→ $3,456 = 3000 + 400 + 50 + 6$

→ $3,400 = 34 \text{ hundreds}$

MODEL THIS ON THE BOARD

PARTITION 4,050

- 1 The digits show **4** thousands, **0** hundreds, **5** tens and **0** units.
- 2 4 thousands are worth **4000** and 5 tens are worth **50**.
- 3 So $4,050 = 4000 + 50$.

Th	H	T	U
4	0	5	0

DISCUSSION STARTER

REFLECT

Which way of splitting a number helps you most — place-value parts or renaming into hundreds?

ANSWER KEY

b) U

c) $8000 + 70$

Q1: $1,000 + 500 + 80 + 3$

Q2: $7,000 + 200 + 10 + 6$

Q3: $9,000 + 300 + 0 + 7$

Q4: 28

a) **Always** — Partitioning only splits the number, so the parts always add to the original amount.

b) **Sometimes** — Only if none of the digits is zero, since a zero place adds nothing.

c) **Always** — Renaming groups the blocks differently but keeps the total exactly the same.

d) **Always** — Zero of any place value is worth nothing, so it holds the place but adds 0.

EXTENSION SHEET · STRETCH ANSWERS

S1: 51 tens

S2: 30 hundreds

S3: 39 tens

S4: 50 tens

S5: 36 tens