

Reading and writing numbers to millions

WHAT THIS LESSON TEACHES

Each column to the left is worth ten times the one before it, running units, tens, hundreds, thousands, ten-thousands, hundred-thousands, then millions.

→ In 3,072,000 the 3 stands for three million because it sits in the millions column.

→ In 4,500,008 the zeros keep the 4, the 5 and the 8 each in their proper columns.

MODEL THIS ON THE BOARD

WRITING 6,090,300 ON THE PLACE-VALUE CHART

- ① Start in the millions column and write 6.
- ② Move right to hundred-thousands and write 0.
- ③ Next is ten-thousands: write 9.
- ④ Then thousands: write 0.
- ⑤ Hundreds: write 3.
- ⑥ Tens: write 0.
- ⑦ Units: write 0.

ANSWER KEY

Q1: 2,158,000

Q2: 305,072

Q3: 4,500,008

Q4: 2,600,007

Q5: 8,000,070

Q6: 9,008,040

a) **Always** — It always shows the count of millions directly from its place.

b) **Always** — It always means exactly zero thousands when placed there.

c) **Never** — Zeros must be read to keep every digit in its correct column.

d) **Always** — It always does because the digit there is zero.

EXTENSION SHEET · STRETCH ANSWERS

S1: $-4.6 < 2.6 < 2.7 < 9$

S2: $-4.1 < 0.1 < 2.9 < 4.8$

S3: $-4.7 < 0.1 < 6.7 < 8.3$

S4: $-1 < 7 < 8 < 14$

S5: $-10 < -4 < 4 < 6$

Investigation: How big is a million? — open-ended; scan pupils' working for valid solution paths rather than a single answer.