

A first look beyond 1,000: the thousands

CURRICULUM ALIGNMENT

NUM.PVT.3 explore equivalent numerical expressions of numbers using the base ten system.

INTERACTIVES Place Value Blocks (Dienes) · challenge, display, explore

WHAT THIS LESSON TEACHES

Ten hundreds grouped together make one thousand, written 1,000. It opens a brand-new column to the left of the hundreds.

→ 1,300 is one thousand and three hundreds.

→ 2,400 has 2 in the thousands column and 4 in the hundreds column.

MODEL THIS ON THE BOARD

BUILDING 1,500 ON THE MAT

- 1 Place **1** thousand-cube in the new thousands column.
- 2 Place **5** hundred-flats in the hundreds column.
- 3 Say the number aloud: one thousand five hundred.
- 4 Check the columns hold 1 thousand and 5 hundreds to make 1,500.

DISCUSSION STARTER

REFLECT Where in real life have you seen a number bigger than one thousand?

ANSWER KEY

a) 1 3 0 0

b) 2 4 0 0

c) 3 0 0 0

Q1: 1

Q2: 1 thousand + 3 hundreds

Q3: 1,600

Q4: 2

Q5: 3,000

Q6: 20

a) **Always** : This is the exact trade that opens the thousands column.

b) **Always** : It is the brand-new place opened beyond the hundreds.

c) **Never** : 1,500 holds 1 in the thousands and 5 in the hundreds.

d) **Sometimes** : True for 2,000; false for 1,234, which ends with 3 and 4.

EXTENSION SHEET · STRETCH ANSWERS

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