

5

Expanded Form

6.A.1.b

Example

Cheverly, Maryland, has a population of 6,645 people.

Part A

Write 6,645 in expanded form.

$$6,000 + 600 + 40 + 5$$

Part B

Use what you know about whole numbers to explain how you found your answer. Use words and/or numbers in your explanation.

I wrote the numbers to
represent each place. Each
digit in the standard form
becomes a number in the
expanded form.

Example

What is $2,000 + 500 + 3$ written in standard form?

- (A) 253 (C) 2,503
(B) 2,053 (D) 2,530

Review

Expanded form represents a whole number by writing the value of *each* digit in the number. The value of the number can then be written as an addition expression.

Important! The digit 0 represents a place. Do not skip over it when writing a number from expanded form to standard form.

Thinking It Through

This question asks for *expanded form*. Apply the definition of expanded form.

Look The information needed to solve the problem is given in the number. Use that information to write the correct answer.

Thinking It Through

Ask How does each number relate to standard form?

Each number represents a place:

$$2,000 = 2 \text{ thousands}$$

$$500 = 5 \text{ hundreds}$$

$$3 = 3 \text{ ones}$$

$$2,000 + 500 + 3 = 2,503, \text{ answer C.}$$

Expanded Form

Directions: Mark the circle with the letter of the best answer.

1 How is 8,420 written in expanded form?

- (A) $800 + 40 + 2$
- (B) $8,000 + 40 + 2$
- (C) $8,000 + 400 + 2$
- (D) $8,000 + 400 + 20$



Remember not to ignore the 0 in a number.

2 What is $3,000 + 600 + 50 + 4$ written in standard form?

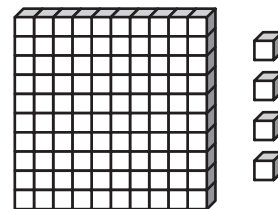
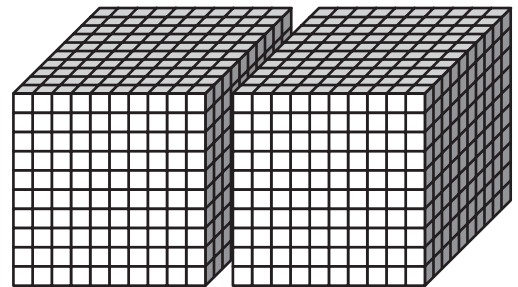
- (F) 3,564
- (G) 3,645
- (H) 3,654
- (J) 4,563

3 What is nine thousand, five hundred ninety written in standard form?

- (A) 959
- (B) 9,059
- (C) 9,509
- (D) 9,590

4 Which representation is different from the others?

(F)



- (G) $2,000 + 100 + 40$
- (H) 2,104
- (J) two thousand, one hundred four