WRITE INTEGERS AS NUMBERS AND WORDS

BUILDING BLOCKS

NAME _____ CLASS _____ DATE _____

KEY IDEA

The place of a digit gives its value.

A zero is a placeholder: it keeps the other digits in place.

3506 = three thousand, five hundred and six

Th	H	T	O
3	5	0	6

1 Write the number shown in each place value chart in numerals.

a)

Th	H	T	O
4	0	7	2

b)

Th	H	T	O
2	6	0	0

2 Write each number in numerals.

a) six hundred and forty-three

b) two thousand and fifty

c) nine thousand, one hundred and eight

d) seven thousand and seven

3 Write each number in words.

a) **418** .....

b) **5030** .....

c) **8604** .....

4 What is the value of the digit 6 in each number?

a) **6214**

b) **1960**

c) **3006**

d) **4652**

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SUPPORT

NAME _____ CLASS _____ DATE _____

KEY IDEA

From 10 000 upwards, leave a space between each group of three digits, counting from the right.

2 045 300 = two million, forty-five thousand, three hundred

M	HTh	TTh	Th	H	T	O
2	0	4	5	3	0	0

1 Write the number in the place value chart in numerals and in words.

HTh	TTh	Th	H	T	O
3	0	5	2	1	0

a) In numerals: ____

b) In words: .....

.....

2 Rewrite each number with spaces in the correct places. One number does not need a space.

a) **48000** ____ b) **250600** ____

c) **7004000** ____ d) **1300** ____

3 Write each number in numerals.

a) sixty-two thousand ____

b) four hundred thousand and fifty ____

c) one million ____

d) three million, two hundred thousand ____

4 Draw a line to match each number to its name.

70 007	seven hundred thousand, seven hundred
707 000	seven thousand and seventy
700 700	seventy thousand and seven
7070	seven hundred and seven thousand

WRITE INTEGERS AS NUMBERS AND WORDS

CORE

NAME _____ CLASS _____ DATE _____

KEY IDEA

Read a large integer one group of three digits at a time, from the left. Say "million" at the first space and "thousand" at the next. Zeros are placeholders: 5 060 040 is five million, sixty thousand and forty.

FLUENCY

1 Write each number in numerals.

a) twenty-four thousand, three hundred and nine

b) nine hundred and six thousand and eighty

c) eleven million, forty thousand

d) half a million

2 Write each number in words.

a) **30 450** .....

b) **2 008 600** .....

c) **615 007** .....

REASONING

3 What is the value of the digit 4 in each number?

a) **4 120 000**

b) **3 540 812**

c) **904 316**

4 Ravi writes "eighty thousand and nine" as 80 0009. Explain his mistake and write the number correctly.

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WRITE INTEGERS AS NUMBERS AND WORDS

GREATER DEPTH

NAME _____ CLASS _____ DATE _____

REASONING

1 Is each statement always, sometimes or never true? Circle your answer.

If it is sometimes true, give an example of when it is true and when it is not.

a) A 7-digit integer is greater than one million. ALWAYS SOMETIMES NEVER

b) A 7-digit integer in words uses the word "thousand". ALWAYS SOMETIMES NEVER

c) An 8-digit integer is read using the word "million". ALWAYS SOMETIMES NEVER

PROBLEM SOLVING

2 Use each digit card once.

0	0	3	5	7	9

a) Make the greatest possible 6-digit number. ☐

b) Make the smallest possible 6-digit number. ☐

c) Make the 6-digit number that is closest to half a million. ☐

3 A town has a population of two hundred and six thousand and forty. A city has a population of one million, ninety thousand. Find the difference between the two populations.

In numerals: ☐

In words: _____

★ CHALLENGE FOR ALL

4 Who am I?

- I am a 7-digit integer between two million and three million.
- My hundred-thousands, ten-thousands and hundreds digits are all zero.
- My thousands digit is 3 more than my millions digit. My tens digit equals my thousands digit.
- The sum of all my digits is 16.

a) Write me in numerals. ☐

b) Write me in words: _____

WRITE INTEGERS AS NUMBERS AND WORDS

ANSWERS

BUILDING BLOCKS

1 a) 4072 · b) 2600

2 a) 643 · b) 2050 · c) 9108 · d) 7007

3 a) four hundred and eighteen · b) five thousand and thirty · c) eight thousand, six hundred and four

4 a) 6000 · b) 60 · c) 6 · d) 600

SUPPORT

1 a) 305 210 · b) three hundred and five thousand, two hundred and ten

2 a) 48 000 · b) 250 600 · c) 7 004 000 · d) 1300 (no space needed)

3 a) 62 000 · b) 400 050 · c) 1 000 000 · d) 3 200 000

4 70 007 → seventy thousand and seven · 707 000 → seven hundred and seven thousand · 700 700 → seven hundred thousand, seven hundred · 7070 → seven thousand and seventy

CORE

1 a) 24 309 · b) 906 080 · c) 11 040 000 · d) 500 000

2 a) thirty thousand, four hundred and fifty · b) two million, eight thousand, six hundred · c) six hundred and fifteen thousand and seven

3 a) 4 000 000 (four million) · b) 40 000 · c) 4000

4 Ravi has written 80 then 0009, giving too many digits; the 9 should be in the ones column with zeros as placeholders in the hundreds and tens: 80 009

GREATER DEPTH

1 a) Sometimes: 1 000 000 is equal to one million, not greater; 1 000 001 is greater · b) Sometimes: 2 000 000 is "two million", but 2 030 000 is "two million, thirty thousand" · c) Always (10 000 000 to 99 999 999)

2 a) 975 300 · b) 300 579 · c) 500 379

3 1 090 000 − 206 040 = 883 960, eight hundred and eighty-three thousand, nine hundred and sixty

★ a) 2 005 054 · b) two million, five thousand and fifty-four