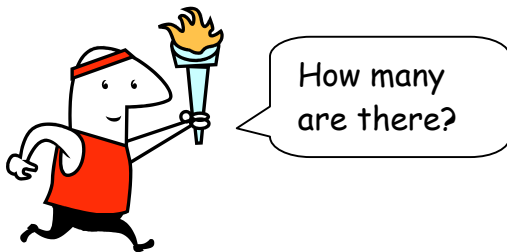
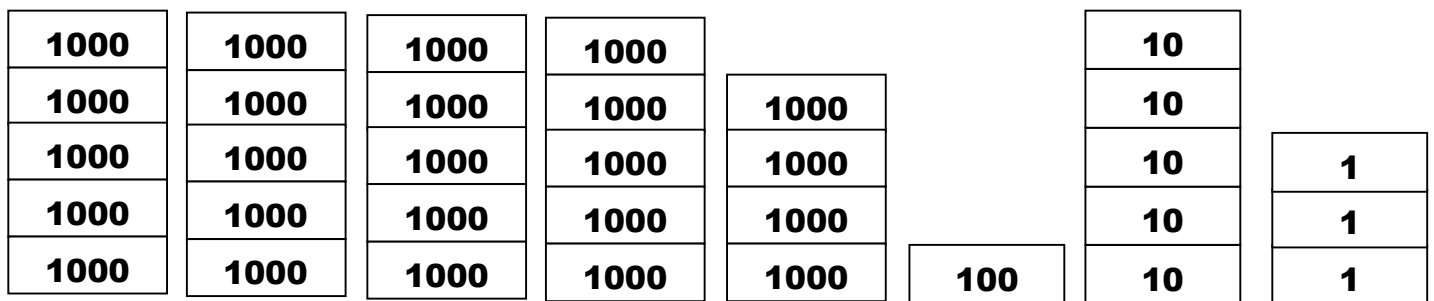


9 Large Numbers

Many people visited Disneyland on August 10th!



Tickets sold on August 10th.



Let's study numbers larger than 10,000!

1) How to Express Large Numbers

1. How many admission tickets were sold?

- 1 How many bundles of 1000, 100 and 10 are there? How many loose tickets were sold?

59

Two 10,000's are called **20 thousand** and can be written in numerals as **20,000**.

The number of admission tickets sold altogether on August 10th was "twenty-four thousand, one hundred fifty-three."

2 Let's write the number of admission tickets using numerals!

			10	
	1000		10	
	1000		10	1
10,000	1000		10	1
10,000	1000	100	10	1
Ten thousands place	Thousands place	Hundreds place	Tens place	Ones place
2	4,	1	5	3

You can write "twenty-four thousand, one hundred fifty-three" as 24,153 in numerals. The digit in the **ten thousands place** in 24,153 is **2**.



It's easier to read a large number if you put a comma every 3 places, starting from the right.

1) Please read the following numbers.

(1) 36,254

(2) 62,000

(3) 70,830

(4) 50,009

2) Let's write the following numbers!

(1) Fifty-seven thousand, two hundred ninety-two

(2) Forty-five thousand, nine hundred

(3) Thirty thousand, seven hundred sixty-eight

(4) Eighty thousand, thirty

3) Let's write the following numbers!

(1) The number that has 5 ten thousands

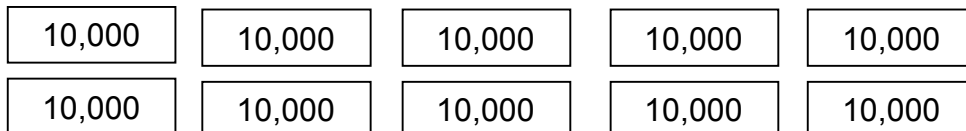
(2) The number that has 7 ten thousands, 2 thousands, and 6 hundreds

(3) The number that has 4 ten thousands, 7 thousands, 3 hundreds, and 5 ones

The System of Large Numbers

2. ? Sea World in Orlando, Florida had 4,950,000 visitors last year.
Let's think of a way to read this number!

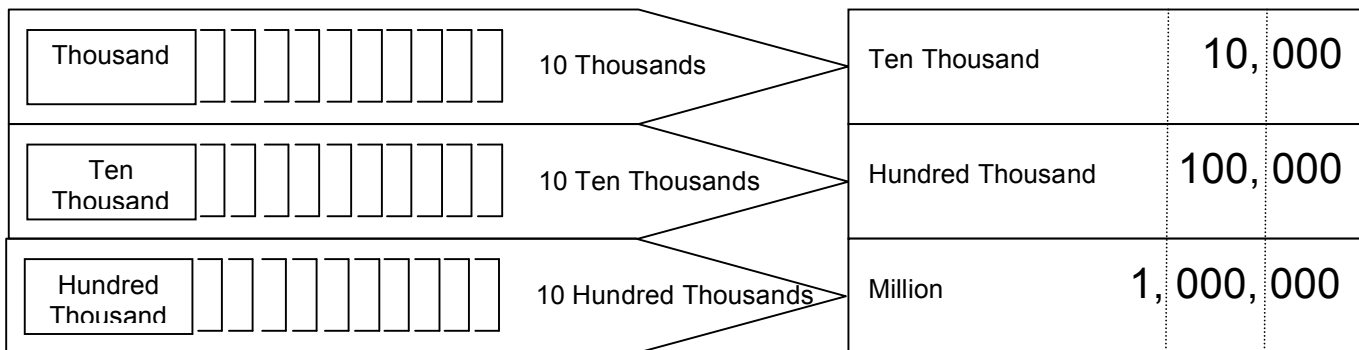
1 What number is made up of 10 ten thousands?



This number is called **1 hundred thousand** and can be written it as **100,000** in numerals.

100,000 can also be written as **100 thousand**.

2 What number is made up of 10 hundred thousands?

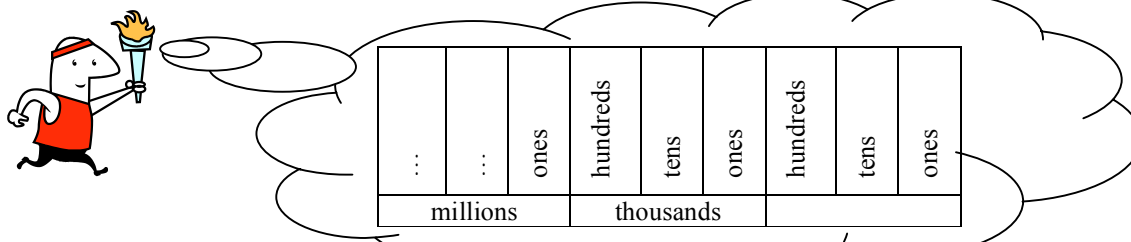


The places to the left of the thousands place are the ten thousands place, the hundred thousands place, and the millions place, respectively.

Millions Place	Hundred Thousands Place	Ten Thousands Place	Thousands Place	Hundreds Place	Tens Place	Ones Place
4,	9	5	0,	0	0	0

3 What does the digit 4 in the millions place mean?

! You can read 4,950,000 as “four million, nine hundred fifty thousand.”



1) Please read the following numbers.

- (1) Spectators at baseball games in Mexico (2003)... 3,033,286 people
- (2) Elementary school students in California (2003)...4,805,629 students

2) Please write these numbers.

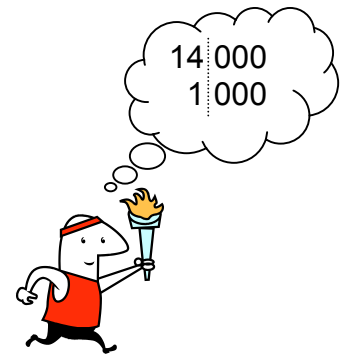
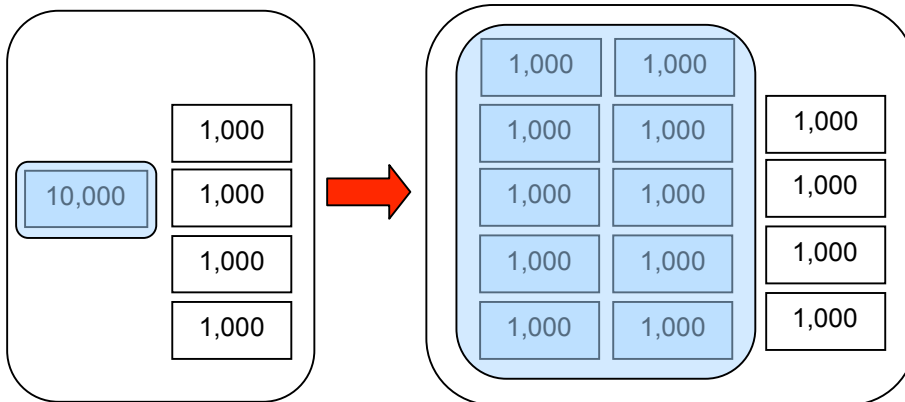
- (1) The population of Alaska (2003)
...four hundred fifty-nine thousand, five hundred twenty-nine people
- (2) The distance from the earth to the moon
...eighty-four thousand, four hundred *km*

3) Please write these numbers.

- (1) A number that is made up of 6 ten thousands
- (2) A number that is made up of 2 millions, 6 hundred thousands, 3 ten thousands, and 9 thousands

3. Put numbers in the .

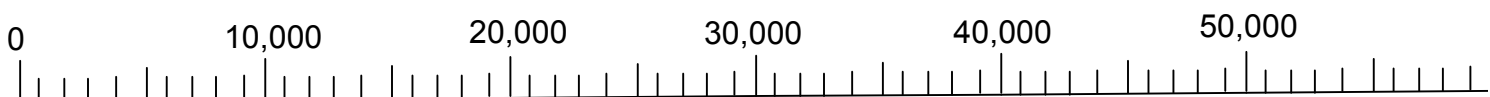
(1) 14,000 is made up of 1000's.



(2) is the number made up of twenty-five 1000's.

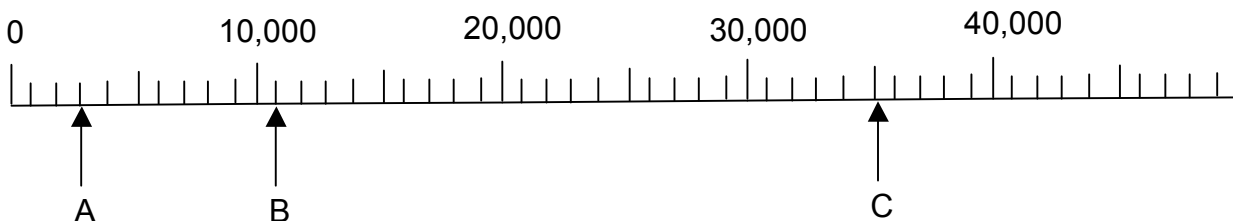
1) (1) 23,000 is made up of 1000's.

(2) is made up of eighteen 1000's.



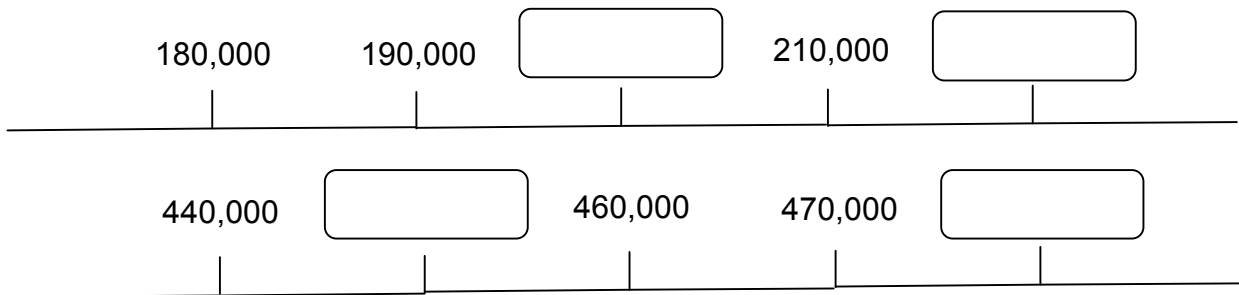
➤ **The Number Line**

4. **?** A line like the one below is called a number line.
Let's write numbers for A, B, and C!



1 **How much is 1 interval of the scale?**

- 1) Draw arrows to show 29,000 and 47,000 on the number line.
- 2) Please put numbers in the below.



3) What numbers are 1 larger and 1 smaller than the following numbers?

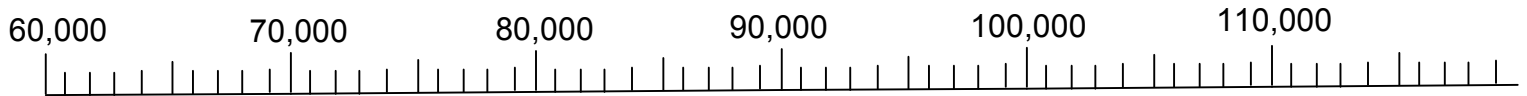
- (1) 99,999 (2) 100,000 (3) 1,010,000

➤ **Equal to, greater than, and less than signs**

5. Put <, > or = signs in the .

- (1) 70,000 60,000
- (2) 829 thousand 865 thousand
- (3) 45,000 30,000 + 15,000
- (4) 50,000 20,000 + 25,000

The symbol = is called an **equal sign**, and the symbols < and > are called **inequality signs**.



63 Note: Pages 64 to 66 can be used as they are in the textbook.

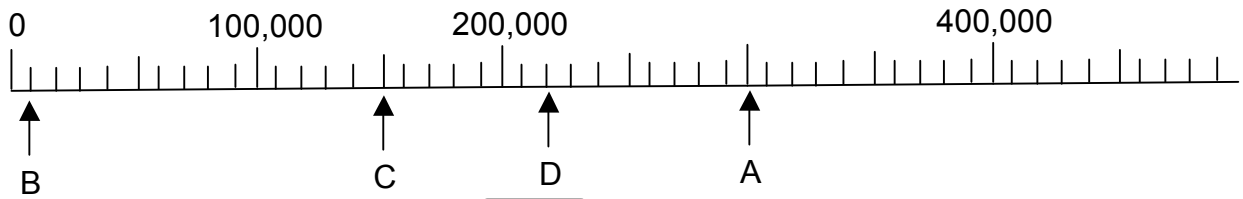
1) Please write the numbers.

- (1) Forty six thousand, one hundred ninety-two
- (2) Eighty-five thousand
- (3) Seven hundred sixty-three thousand

2) Please write the numbers.

- (1) The number that is made up of 3 ten thousands, 2 thousands, and 3 hundreds
- (2) The number that is made up of 5 millions and 7 thousands
- (3) The number that is made up of 2 millions, 6 hundred thousands, 8 ten thousands, 5 thousands, and 3 tens

3) Please write the numbers indicated by A, B, C and D.



4) Please put numbers in the .

- (1) 190,000 is the number that puts 1000's together.
- (2) A number that is 100 times as large as 320 is .
- (3) 480 divided by 10 is .

5) Line up the numbers in order from the greatest to least.

648,000 651,000 640,900 1,030,000

6) Find all the numbers in the that can be placed in the .

1000	2000	3000	4000	5000
------	------	------	------	------

(1) > 2800

(2) $7300 - 3500 >$

67

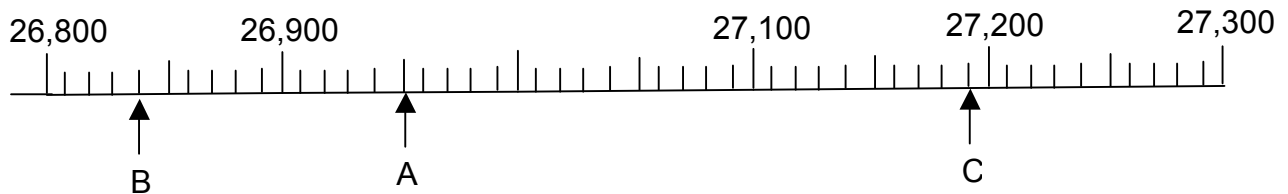
Check

- 1) The population of Minnesota was 5,100,958 in July of 2004. Let's think about this number!

5,100,958

- (1) What is the number that is in the ten thousands place?
- (2) The number 5,100,958 is made up of 958 and how many thousands?
- (3) Please read this number.
- (4) The population of North Carolina was 8,541,221 at the same time.
- (5) How many more people live in North Carolina than Minnesota?

- 2) What numbers are A, B, and C pointing to?

**The Story of Math****The Bridge Made of Recycled Cans**

In Fukuoka Prefecture in Japan, recycled cans were used to construct bridge girders for the Kinou bridge. 143,750 cans were used for this purpose. It took children 11 elementary schools from the area 1 year to collect the cans.

Using cans helps
reduce noise too!



Note: Pages 69 and 70 can be used as they are in the textbook.