



THIRD SPACE
LEARNING



HELLO!

Today we are going to learn about
numbers up to ten million

1 250 000 =

1 000 000.	100 000.	10 000.	1 000.	100.	10.	1.
1	2	5	0	0	0	0

Warm up for numbers up to ten million

1. Circle the smallest number.

234 523

234 532

243 253

234 235

2. Say the value of the underlined digit.

903 234

435 432

502 065

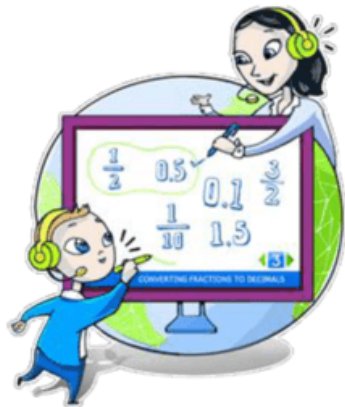
3. Count on in 100s from 234 134 to 235 134.
4. Count back in 10 000s from 456 123 to 356 123.







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Numbers up to ten million

In this session, we are going to learn:



-  say or write any number in words or in figures up to 10 000 000
-  partition any number up to 10 000 000 and work out the value of each digit
-  order and compare numbers up to 10 000 000
-  use the signs $<$ and $>$ to state if any big number is larger or smaller than another

Reading and writing numbers to ten million

1. Read these numbers.

1 323 129

6 234 546

9 034 099

1 000 000s	100 000s	10 000s	1000s	100s	10s	1s
1	3	2	3	1	2	9

1 323 129



One million

three hundred
and twenty-three
thousand

one hundred and
twenty-nine

Writing numbers to ten million

Write this number in digits.

One million, four hundred and seventy-five thousand, one hundred and nine.

=



1. Write this number in digits.

Seven million, three hundred and seven thousand and forty-nine.

=

Determining the value of each digit

What is the value of the underlined digit in these numbers?

8 35 012

9 501 261

To understand the value of each digit, we can use a place-value chart or we can partition the number.

1 000 000s	100 000s	10 000s	1000s	100s	10s	1s
8	3	5	4	0	1	2

$$8\ 354\ 012 = 8\ 000\ 000 + 300\ 000 + 50\ 000 + 4000 + 10 + 2$$

The value of the underlined digit is

4000

$$\underline{9}\ 501\ 261 =$$

+ + + + +

Value of underlined digit is

Ordering and comparing numbers to ten million

1. Which number is smaller, 7 560 123 or 7 506 343 ?

1 000 000s	100 000s	10 000s	1000s	100s	10s	1s
7	5	6	0	1	2	3
7	5	0	6	3	4	3

Ordering and comparing numbers to ten million

When comparing numbers we can use the symbols $>$ and $<$.

is less than

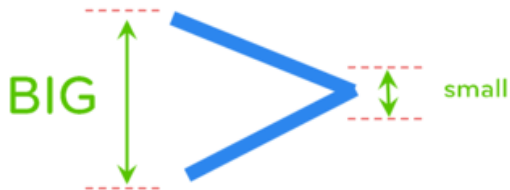
$<$ is the 'less than' sign, for example, $4 < 6$ means '4 is less than 6'.

$>$ is the 'greater than' sign, for example, $8 > 5$ means '8 is more than 5'.

is more than

Remember that the big end always points to the bigger number:

- BIG $>$ small
- small $<$ BIG



Ordering and comparing numbers to ten million

Write the correct symbol ($>$ or $<$) between these numbers.

1. 345 324

345 234

2. 1870 234

1708 123

3. 909 234

1342 324



Think...
BIG $>$ small
and
small $<$ BIG

Ordering and comparing numbers to ten million

Order these numbers from biggest to smallest. Use $>$ or $<$ in your answer (in the blue boxes).

456 234

4 560 324

4 560 243

Think...
BIG $>$ small
and
small $<$ BIG

Practice time

- Write these numbers in digits.
 - Five million, one hundred and forty-two thousand, nine hundred and seventeen.
- Write **6 345 903** in words.

Practice time

3. What is the value of the underlined digit?

a) 6 123 546

b) 9 012 324

c) 4 361 003

4. Write the correct symbol, $<$ or $>$, between these numbers.

a) 4 543 134

4 453 143

b) 8 678 010

8 678 001

Practice time

5. The land area of Brazil is **8 514 877**km², the land area of China is **9 596 960**km² and the land area of Australia is **7 692 024**km². Write the land areas in order from biggest to smallest and using the correct symbols (< or >).

6. Write any three facts about these numbers using the symbols < and >.

4 560 213

4 560 312

4 560 123

Numbers up to ten million

What part of this session gets a
'thumbs up' from you?

