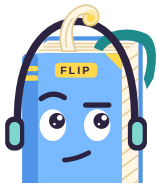
Name _____ Date _____

Which is greater?

Comparing and ordering numbers up to ten million, using < and >.

1 Learn



First count the digits: **more digits** means a greater number. Same number of digits? Compare column by column from the **left** until two digits are different.

	M	HTh	TTh	Th	H	T	O
6,482,000	6	4	8	2	0	0	0
	=	=					
6,479,950	6	4	7	9	9	5	0

Millions: same.
Hundred thousands: same.
Ten thousands: 8 > 7
6,482,000 > 6,479,950

Worked example: order 2,604,000, 2,640,000 and 264,000 from smallest to greatest

1. 264,000 has only **6 digits**, so it is the smallest.
2. The other two both have 7 digits. Millions: 2 and 2, the same.
3. Hundred thousands: 6 and 6, the same.
4. Ten thousands: **0 < 4**, so 2,604,000 is smaller.
5. Smallest first: **264,000, 2,604,000, 2,640,000**.

smallest first is **ascending**
greatest first is **descending**

Flip's tip: the open side of **<** or **>** always faces the greater number. 7 > 3 says "7 is greater than 3"; 3 < 7 says "3 is less than 7".

Warm up: write <, > or = in each box.

4,500,000 ☐ **4,050,000** **899,999** ☐ **1,000,000** **7,321,654** ☐ **7,321,645**

Grown-ups: ask your child to point at each column as they compare, saying "same, same, different". The first different column decides.

Name _____ Date _____

2 Try it together a child and a grown-up, about 10 minutes



Secret numbers

You need: paper and a pen each. Fold the paper so your partner can't see.

1. Each write a secret seven-digit number.
2. Reveal them at the same time and read both aloud.
3. Decide together whose is greater. Which column decided it?
4. Write both numbers in the table with < or > between them.
5. Play again, but this time both start with the same first two digits, like 4,6__,___.

My number	< or >	Your number	Column that decided it

Grown-ups: if the first digits are different, the game is quick. Round 5 makes you look further along, which is where mistakes happen.

3 Practise

A. Write <, > or = in each box.

3,402,118 ☐ **3,420,118**

892,450 ☐ **6,482,000**

5,060,000 ☐ **5,006,000**

9,999,999 ☐ **10,000,000**

2,000,000 + 500 ☐ **2,000,500**

6,714,300 ☐ **6,713,400**

1,111,111 ☐ **999,999**

4,082,500 ☐ **4,082,050**

Which is greater?

Name _____ Date _____

B. Write these in **ascending** order (smallest first).

3,145,000 3,415,000 345,100 3,154,000 3,140,500

C. Write these in **descending** order (greatest first).

6,250,000 6,520,000 6,205,000 652,000 6,250,500

D. Write a number that fits each gap. There is more than one answer.

4,599,999 < ☐ **< 4,600,005**

8,000,000 > ☐ **> 7,999,990**

E. True or false? Write T or F.

☐ **5,000,000 > 4,999,999**

☐ **3,089,000 < 3,098,000**

☐ **9,876,543 < 987,654**

☐ **999,999 + 1 < 1,000,000**

Challenge

Ava says **892,450 > 6,482,000** because 8 is bigger than 6. Is she right? Explain.

I can... Tick when you can.

- ☐ compare big numbers column by column from the left
- ☐ use < and > the right way round
- ☐ order numbers in ascending and descending order