Name _____ Date _____

Which is bigger?

Compare and order numbers up to a million.

1 Learn



Don't just look at the first digit! **Count the digits** first. Same number of digits? Compare **place by place from the left**.

Different number of digits

HTh	TTh	Th	H	T	O
4	8	5	2	7	0
	9	2	9	9	9

6 digits beat 5 digits: **485,270 > 92,999**

Same number of digits

HTh	TTh	Th	H	T	O
3	4	7	8	1	2
3	4	9	1	0	5

3 = 3, 4 = 4, then **7 < 9**: **347,812 < 349,105**

Put in order, smallest first: 61,050 · 610,500 · 60,150 · 601,500

1. The 5-digit numbers are smallest. Compare them: 60,150 and 61,050 differ in the thousands, and 0 < 1. So **60,150 < 61,050**.

2. Compare the 6-digit numbers: 601,500 and 610,500 differ in the ten thousands, and 0 < 1. So **601,500 < 610,500**.

3. In order: **60,150 · 61,050 · 601,500 · 610,500**

Flip's tip: line numbers up by their **ones**, like in a place value chart. The open side of < or > faces the bigger number.

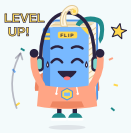
Warm up: write <, > or = in each circle.

70,000 ◯ **69,999** **405,000** ◯ **450,000** **98,700** ◯ **100,000**

Grown-ups: ask your child to read both numbers aloud first. Hearing "four hundred thousand" against "ninety thousand" often settles it.

Name _____ Date _____

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



Biggest and smallest

You need: 10 scraps of paper and a pencil. Write one digit on each: 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9.

1. Shuffle the cards face down and turn over 6.
2. The child makes the **biggest** number they can with the 6 cards. The grown-up makes the **smallest** (it can't start with 0). Write both.
3. Put < or > between them. Check by comparing place by place from the left.
4. Together, make a number **in between** with the same cards. Then say all three in order.

Round	Biggest	< or >	Smallest	In between
1				
2				
3				

Grown-ups: ask "How did you know where to put the biggest digit?" (In the hundred thousands place, the place worth the most.)

3 Practise

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

256,301 ◯ 265,301

504,000 ◯ 54,000

400,000 + 6,000 ◯ 406,000

85,420 ◯ 85,402

89,999 ◯ 100,001

730,100 ◯ 730,010

999,999 ◯ 1,000,000

300,000 + 20,000 ◯ 302,000

Name _____ Date _____

B. Write each set in order, **smallest first**.

345,600 354,060 34,560 345,060

[ ] , [ ] , [ ] , [ ]

708,000 78,000 780,000 87,000

[ ] , [ ] , [ ] , [ ]

C. Missing digits.

45 ,210 > 458,999

Which digit must go in the box?

4 2,500 < 432,000

Which digits could go in the box? Find them all.

D. Four rockets flew these distances.

Rocket	Distance (km)
Comet	**506,300**
Nova	**560,030**
Orbit	**56,300**
Star	**506,030**

Write the rockets in order, the **greatest** distance first.

1. _____
2. _____
3. _____
4. _____

Challenge

Mia says, "73,850 is bigger than 412,600, because 7 is bigger than 4." Is she right? Explain how you know.

_____

_____

_____

I can... Tick when you can.

- ☐ count the digits first when I compare two numbers
- ☐ compare place by place from the left
- ☐ put numbers up to a million in order