

In Focus

Write the numbers 0-9 on each of your whiteboards.

Each person has to make a seven-digit number by using only one of the numbers 0-9 once.

Compare numbers. Which is greater?
Which is smaller?

Make more numbers.



Challenge - Prove it.

Mr Reid thinks that if a 9 is at the beginning of a number, this number will always be the greatest.

Is he correct?

Prove it using two examples of your own.

Let's Learn: How would we work out which is the greatest number in the following example using place value?

9 879 215 9 879 205

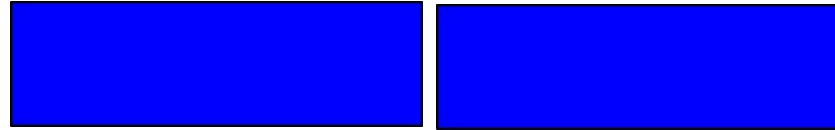
Which example was the hardest to work out? Why?

Recap:

What do these symbols mean?

$>$
greater than

$<$
less than



Are these correct?

$$879\ 215 < 879\ 205$$

$$3\ 779\ 300 > 2\ 879\ 205$$

Guided Practice

Which number is smaller?

1 7 125 611 or 1 999 999

2 7 125 611 or 7 215 611

3 7 125 611 or 7 125 161



Write your answer using the symbol $<$.

Challenge - Prove it.

Ms Ahmed thinks that there could be a few different answers to the number problems below:

0 472 592 > 1 458 193

7 2_6 101 < 7 _49 291

Is she correct?

Prove it by finding two different solutions.

Worksheet 4

Comparing Numbers to 10 Million

1 Circle the smaller number and fill in the blanks

3 547 891

3 459 871

is greater than

is less than .

2 Circle the larger number and fill in the blanks.

8 075 364

8 057 643

is greater than

is less than .

3 Circle the greatest number.

(a) 6 782 600 6 872 000 6 678 200 6 867 200

(b) 2 798 003 2 987 003 2 897 003 2 789 003

4 Circle the smallest number.

(a) 2 364 789 2 436 789 2 439 876 2 346 789

(b) 7 477 400 7 747 400 7 774 400 7 744 700

5 Fill in the blanks with > or <.

(a) 1 200 569 1 205 096

(b) 4 566 700 4 656 007

(c) 6 933 057 5 976 330

(d) 8 957 605 9 000 002

Challenge - Prove it.

Mr Rahman believes that comparing numbers is not useful in real life because he can't think of any examples of when he would need to use it.

Is he correct?

Prove it by thinking of three different examples.

Worksheet 4

Comparing Numbers to 10 Million

1 Circle the smaller number and fill in the blanks.

3 547 891

3 459 871

3 547 891 is greater than 3 459 871 .

3 459 871 is less than 3 547 891 .

2 Circle the larger number and fill in the blanks.

8 075 364

8 057 643

8 075 364 is greater than 8 057 643 .

8 057 643 is less than 8 075 364 .

3 Circle the greatest number.

(a) 6 782 600 6 872 000 6 678 200 6 867 200

(b) 2 798 003 2 987 003 2 897 003 2 789 003

4 Circle the smallest number.

(a) 2 364 789 2 436 789 2 439 876 2 346 789

(b) 7 477 400 7 747 400 7 774 400 7 744 700

5 Fill in the blanks with > or <.

(a) 1 200 569 < 1 205 096

(b) 4 566 700 < 4 656 007

(c) 6 933 057 > 5 976 330

(d) 8 957 605 < 9 000 002