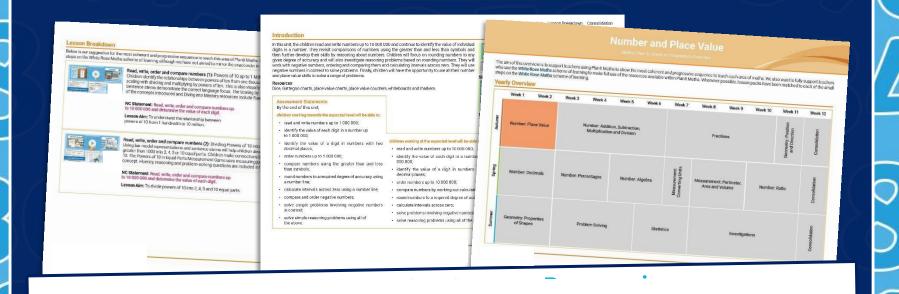
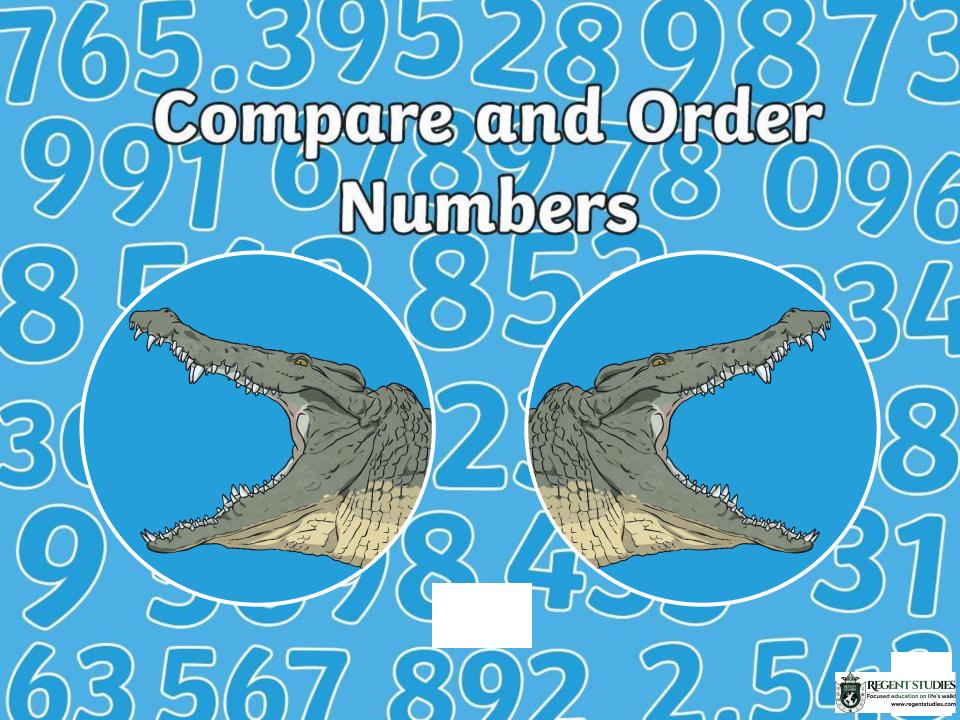




# Need a coherently planned sequence of lessons to complement this resource?







# Aim

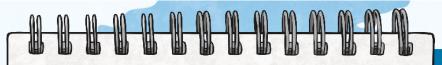
• To compare and order numbers up to 10 000 000.

#### Success Criteria

- I can identify the value of each digit up to 10 000 000.
- I can compare numbers up to 10 000 000.
- I can order sets of numbers up to 10 000 000.

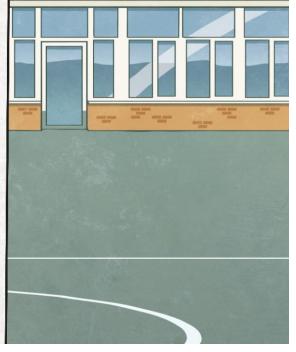
#### Remember It





- The millions digit is less than 8.
- The hundreds digit is an odd number.
- When added together, the thousands and the hundreds digit total is 6.
- The hundred thousands digit is smaller than the ones digit.
- The ten thousands digit is one less than the thousands digit.
- The tens digit is a multiple of 3.
- The ones digit is the same as the ten thousands digit.

Write three different 7-digit numbers that would fit the clues.





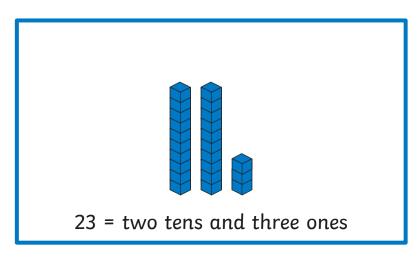


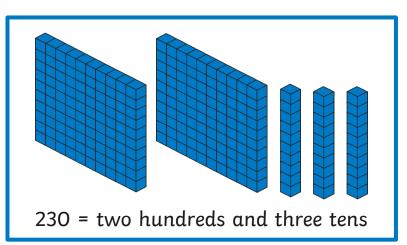
Comparing numbers is useful for working out if one number is greater or smaller than another number.

We compare numbers by looking at their digits and by understanding the place value of each digit.

Let's look at a simple example. Which number is greater, 23 or 230?

We can see that 230 is greater than 23.









A place value grid can also help to visualise the comparison.

Which is greater?
2 235 282 or 2 235 822

2 23	2 235 282									2 235 822				
М	Hth	Tth	Th	Н	Т	0		М	Hth	Tth	Th	Н	Т	0

We need to compare the place value of the digits in each number.

To do this, we always start with the digits on the left.

Be careful to check the place value of each digit in each number.

We then compare the value of each digit until the numbers are different.





2 235 822

2 235 282									
М	Hth	Tth	Th	Н	Т	0			
00	00	00	00	00	00 00 00 00				

М	Hth	Tth	Th	H	Т	0
00	00	00	000	0000		

2 235 282 has two hundreds.

Now, we are able to composite greater than 2 235 282.

Eight hundreds is bigger than two as. We don't need to look at any more of the digits as we have found a difference between the two numbers.





Which number is greater in these pairs?

If you are correct, the number will turn blue.

56 211 or 54 211

123 984 or 123 948

1762 482 or 1762 184

2 375 121 or 2 378 121

8 484 448 or 8 484 884



# Less Than and Greater Than







We can use these symbols to compare numbers.

Can you recall what these symbols mean, and how we use them?

- This means 'less than'. The narrow part of the symbol points to the smaller number.
- This means 'greater than'. The wider part of the symbol opens up towards the larger number.



#### Greater Than and Less Than



Which symbol goes in each of these boxes? Explain your choice to your partner. Click each box to reveal the answers.

9 539 289 < 9 593 289

374 284 > 347 248

5763 > 5376

6 464 464 < 6 464 646



When ardering acts of numbers was work hourseledge of place

You can see all the numbers have the same amount of millions and the same amount of hundred thousands.

From greatest to smallest the order is: **3 467 222, 3 457 222, 3 453 435** 

The first and the last number have the same amount of ten thousands, but the first number has a greater amount of thousands.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
3	4	5	7	2	2	2
3	4	6	7	2	2	2
3	4	5	3	4	3	5





Draw your own place value chart to help you order the sets of numbers:

Greatest to Smallest

2 354 211

2 333 421

2 372 282

2 347 801

Smallest to Greatest

1 384 297

2 654 234

1 777 301

2 632 121

Smallest to Greatest

3 121 412

5 812 400

3 074 322

4 598 211







Look at this set of numbers:

**7 576 283 7 567 382** 

7 756 382 7 765 283

If you put them in order from greatest to smallest, which number would be third?

Explain your choice to a partner and explain how you ordered the numbers.



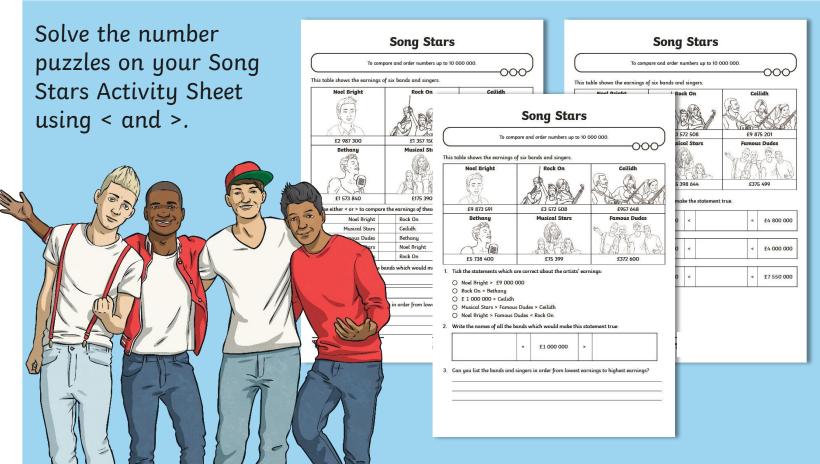


Identify the number that has been incorrectly placed in the largest to smallest sequence. Place the number in the correct place in the sequence on a whiteboard.



#### **Song Stars**

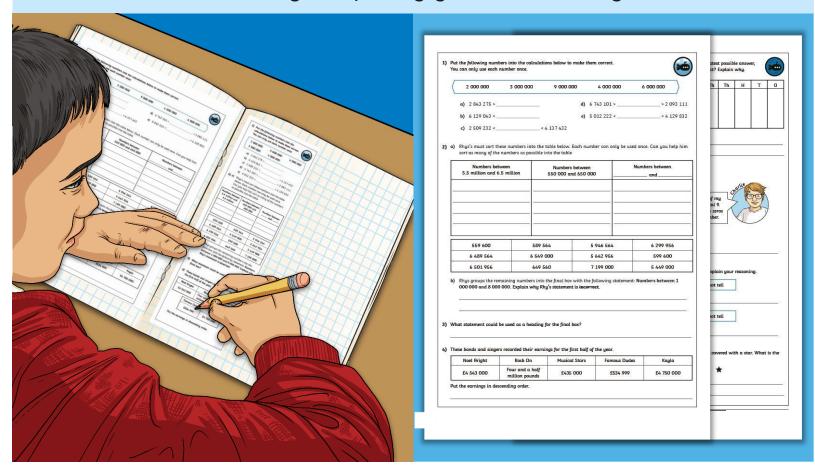






Diving into Mastery

#### Dive in by completing your own activity!





#### Which Number?



Which of these numbers could fit in the empty box?

4 121 490 3 427 718 4 863 215 4 984 725 4 192 367

3 983 210 < > 4 345 632

Can you think of two more numbers which would fit in the empty box?



# Aim



• To compare and order numbers up to 10 000 000.

#### Success Criteria

- I can identify the value of each digit up to 10 000 000.
- I can compare numbers up to 10 000 000.
- I can order sets of numbers up to 10 000 000.



35628532234 309 31 238 948 9) 5698 435 -31 63556789997256<del>RECENT STUDIES</del>

765.395239)37/3

991678978096