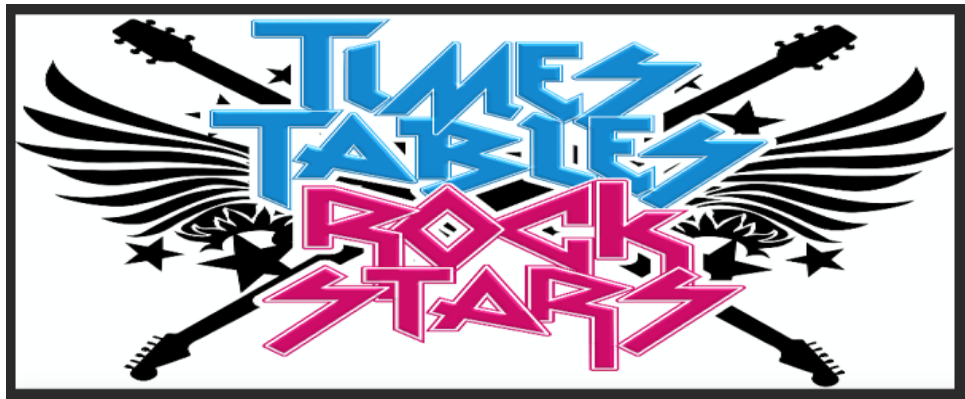


This work can last for 2x lessons...

## Maths week 1, lesson 2

Warm up task

Log in to times tables Rock-stars and complete 5 rounds of soundcheck!



Learning Objective	<b>LO: To understand how to order numbers up to 1,000,000</b>
Success Criteria	<ul style="list-style-type: none"><li>• I can use number lines in order to identify correct value of digits.</li><li>• I understand each digit's value and could use Place value headings sheet to help me.</li><li>• I know how to use the vocabulary of ordering including; (Greater than/less than/whole numbers)</li></ul>

<https://www.bing.com/videos/search?q=maths+antics+ordering>

## **Bronze: Place Value for TU**

A.

1. What does 3 stand for in 63?
2. What does 5 stand for in 54?
3. What does 8 stand for in 18?
4. What does 3 stand for in 39?
5. What does 7 stand for in 67?
6. What does 1 stand for in 15?
7. What does 4 stand for in 24?
8. What does 6 stand for in 62?

B.

Write what these make.  $40 + 2$ . These make 42.

1.  $50 + 8$
2.  $30 + 3$
3.  $10 + 5$
4.  $20 + 7$
5.  $90 + 1$
6.  $70 + 6$
7.  $40 + 1$
8.  $80 + 4$
9.  $40 + 4$

C.

Break up each number into tens and units.

*Example:  $54 = 50 + 4$*

1. 26
2. 53
3. 69
4. 41
5. 58
6. 92
7. 36
8. 17
9. 75
10. 38

D.

Write these numbers using digits.

1. twenty four
2. thirty seven
3. ninety three
4. eighty seven
5. fifty nine
6. forty two
7. sixty one
8. fifty five
9. sixteen
10. seventy four
11. thirty eight
12. seventy

E.

Write these numbers using words.

1. 36
2. 13
3. 79
4. 31
5. 52
6. 96
7. 32
8. 18
9. 79
10. 30

## Silver fluency

Silver: Fluency and reasoning.

### Spot the mistake:

177000,187000,197000,217000

What is wrong with this sequence of numbers?

### True or False?

When I count in 10's I will say the number 10100?

### What comes next?

$646000 - 10000 = 636000$

$636000 - 10000 = 626000$

$626000 - 10000 = 616000$

What are the biggest and smallest whole numbers that you can make with these digits?

11. 3, 2, 5, 4, 0

12. 8, 3, 0, 7, 6, 2

13. 3, 4, 6, 4, 3, 2

14. 4, 5, 6, 4, 8, 0

## Silver

### More than and Less than

Can you order these numbers from the largest to the smallest?

43

343

434

23

4534

143

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Gold problem solving/reasoning :

### **Do, then explain**

Show the value of the digit 5 in these numbers?

350114    567432    985376

Explain how you know.

### **Make up an example Give further examples**

Create six digit numbers where the digit sum is five and the thousands digit is two.

Eg 3002000    2102000

What is the largest/smallest number?

### **Do, then explain**

747014, 774014, 747017, 774077, 744444

If you wrote these numbers in order starting with the smallest, which number would be third?

Explain how you ordered the numbers.

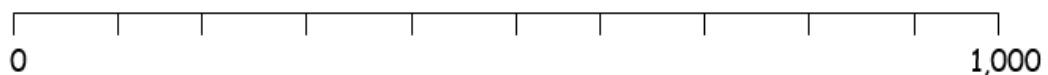
## **Gold fluency:**

1. This is a 0 to 1,000 number line. It is marked in hundreds.  
Write these numbers in the correct place on the number line.

500

700

100



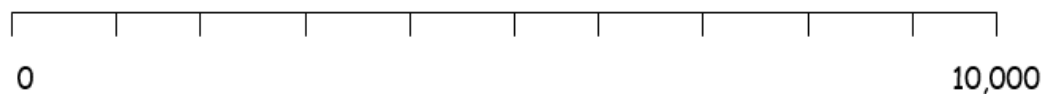
2. This is a 0 to 10,000 number line. It is marked in thousands.  
Write these numbers in the correct place on the number line.

1,500

5,000

7,000

7,500



## Ordering numbers (A)

Missing Number 1345, 1346, \_\_\_\_\_, \_\_\_\_\_, 1349 2036, 2037, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_ 3641, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 3645 Write your own sequence  
adding on 4 each time. Each number must have 4 digits. \_\_\_\_\_,

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

\_\_\_\_\_

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

\_\_\_\_\_

Oh no, I've forgotten my number!! Help the people to remember their numbers.  
My bike is locked. My combination includes these numbers 5286. It is the smallest even number. What is my combination ? \_\_\_\_\_

My suitcase is locked and I need to get my clothes packed for holiday. The numbers are 8925. It is the biggest odd number. What is my combination ? \_\_\_\_\_

My gate is locked . I know the number begins with a 3, but I can't remember the order of the numbers. The other numbers are 519. It is the 3rd biggest number. What is my combination? 3 \_\_\_\_\_

My padlock has a combination. It is 4 digits and it is the fourth smallest possible number using 8657. What is my combination ? \_\_\_\_\_