

## Key Vocabulary

thousands

hundreds

tens

ones

zero

place value

greater than

less than

order

round

rounded to

negative number

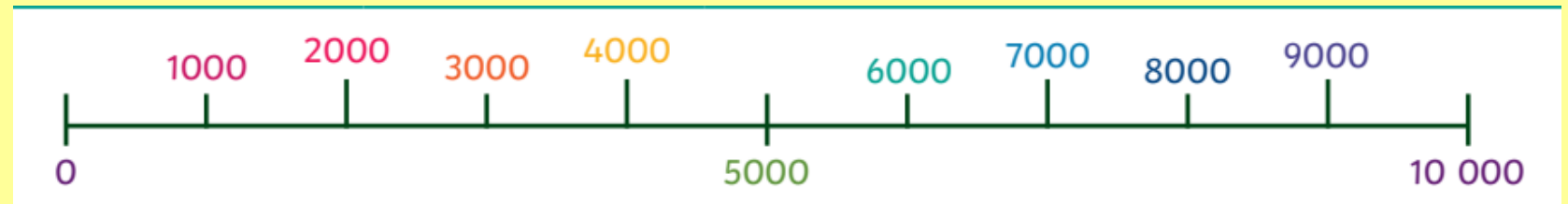
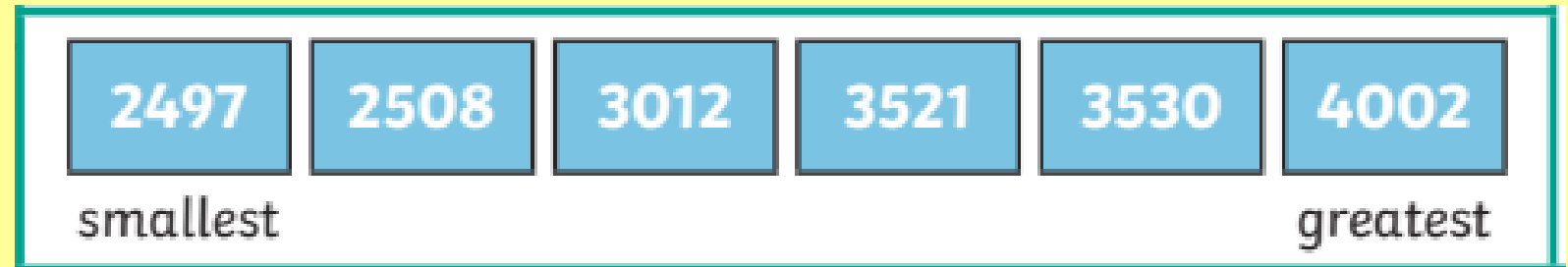
partition

digit

Roman numeral

29.04.20

I can order 4-digit numbers.



# Starter

## Four-digit Targets

Age 7 to 11 ★

You have two sets of the digits from 0 to 9.

0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9

The idea is to arrange these digits in the five boxes to make four-digit numbers as close to the target number as possible.

You may use each digit once only.

largest odd number

largest even number

largest multiple of 3

smallest multiple of 5

number closest to 5000

# Ordering numbers

Numbers can be ordered in lots of different ways including:

Ascending Order – Smallest number to the largest number

Descending Order – Largest number to the smallest number

**For Example:**

**6274, 2977, 952, 53, 8, 3009**

**in order from smallest to largest is**

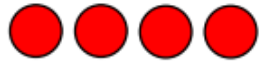
**8, 53, 952, 2977, 3009, 6274.**

# Activities:

1. Here are four digit cards: 

Arrange them to make as many different 4-digit numbers as you can and put them in ascending order.

2. Rearrange four counters in the place value chart to make different numbers.



1000s	100s	10s	1s

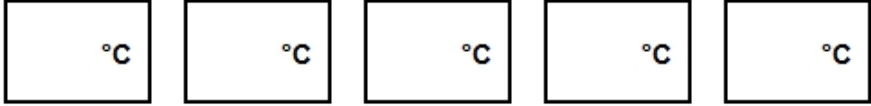
Record all your numbers and write them in descending order.

3. Fill in the circle using  $<$ ,  $>$  or  $=$

2,764    XXVII

4. Put these temperatures in order, starting with the **lowest**.

21°C    -13°C    -24°C    0°C    35°C



lowest

Which number is the smallest? Which is the greatest? How do you know?

Roman Numerals			
one	1	I	<b>XVIII = 18</b> <b>XXIX = 29</b> <b>LXXXIV = 84</b>
five	5	V	
ten	10	X	
fifty	50	L	
one hundred	100	C	

# Problem Solving

1.

Put these amounts in ascending order.

Half of 2,400

LXXXVI



2.

Put one number in each box so that the list of numbers is ordered smallest to largest.

1000s	100s	10s	1s
1	1		3
1		2	7
1	2	5	
1		5	9
1	3	8	
1		1	5

Can you find more than one way?

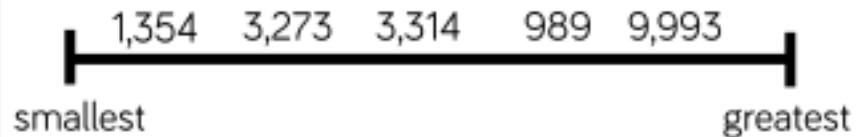
# Challenge

Alex has ordered five 4-digit numbers.  
The smallest number is 3,450, and the  
largest number is 3,650

All the other numbers have digit totals  
of 20

What could the other three numbers  
be?

What mistake has been made?



**2. Do, then explain**

5035 5053 5350 5530 5503

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

Explain how you ordered the numbers.