## White Rose Maths

## Order a list of integers

Some numbers are listed in the place value table.

TTh	Th	Н	Т	0
2	0	7	0	9
3	7	9	0	0
2	7	9	0	3
2	0	3	0	7

a) Which is the greatest number?

37,900

**b)** How do you know that number is the greatest?

It has the greatest number of ten thousands.

c) Write the numbers in descending order.

37,900 27,903 20,709 20,307

2 Write the values in ascending order.

**a)** 13,000 kg 15,700 kg

12,995 kg

8,700 kg

8,700kg 12,995kg 13,000kg 15,700kg

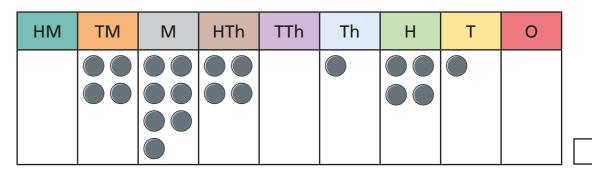
b) 3 million two hundred thousand 950,000 89,000

89,000 two hundred thousand 950,000

3 million

Look at the place value charts.

НМ	TM	М	HTh	TTh	Th	Н	Т	0



НМ	TM	М	HTh	TTh	Th	Н	Т	0	
									] [

**a)** Which chart represents the greatest number? Tick your answer.

**b)** How can you know this is the greatest number without working out what each number is?

It is the only number with a counter in the hundred millions column.

c) Write the greatest number in figures.

102, 212,032

d) Write the numbers in descending order.

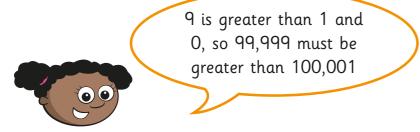
102,212,032 47,500,000 47,401,410

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Whitney is writing some numbers in order, starting with the greatest.

She writes these numbers.

99,999 90,009 11,111 100,001



Is Whitney correct? \_\_\_\_\_\_

Explain your answer.

She hasn't considered the place value of the digits.

Here are the transfer fees of four footballers.

Player	А	В	С	D
Transfer fee	£8.2 million	£8 million	£8.02 million	£81,000,000

- a) Which player has the highest transfer fee? \_\_\_\_\_\_\_
- b) Which player has the lowest transfer fee? <u>\( \) \( \) \( \)</u>
- Write the missing digits to make the inequality statement correct.

E.g. 
$$5,10 \le 5,1 \le 0 \le 5$$
,  $1 \le 11 \le 5$ ,  $1 \le 1$ 

Is there more than one solution?

The populations of the world's largest cities are listed in the table.

City	Country	Population
Tokyo	Japan	38 000 000
Delhi	India	25 700 000
Shanghai	China	23 700 000
Sao Paulo	Brazil	21 050 000
Mumbai	India	
Mexico City	Mexico	20 990 000

The population of Sao Paulo is expected to increase by 6 million by 2050. The population of Shanghai is expected to increase by 3 million by 2050.

a) Is there expected to be more people in Sao Paulo or Shanghai by 2050?

Sao Paulo

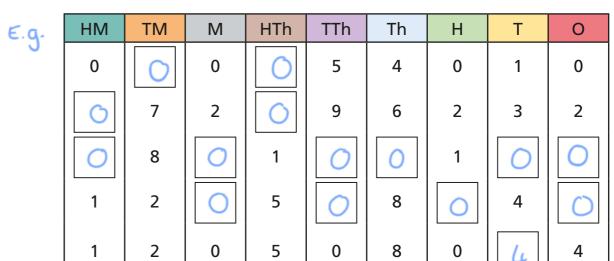
b) The population of Mumbai in India is in 5th position.

What could be the population of Mumbai?

E.g. 21,000,000

How many possible answers are there?

Put one digit in each box so that the numbers are ordered from smallest to greatest from top to bottom.



Is there more than one solution?





