

Order a list of integers

1 Some numbers are listed in the place value table.

TTh	Th	H	T	O
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?

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

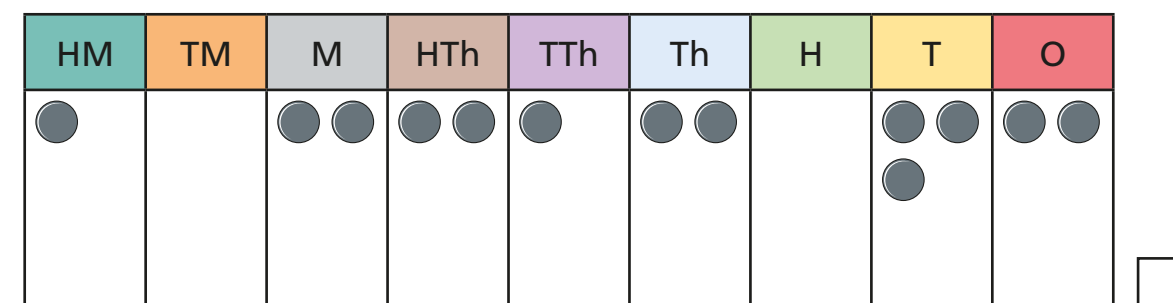
c) Write the numbers in descending order.

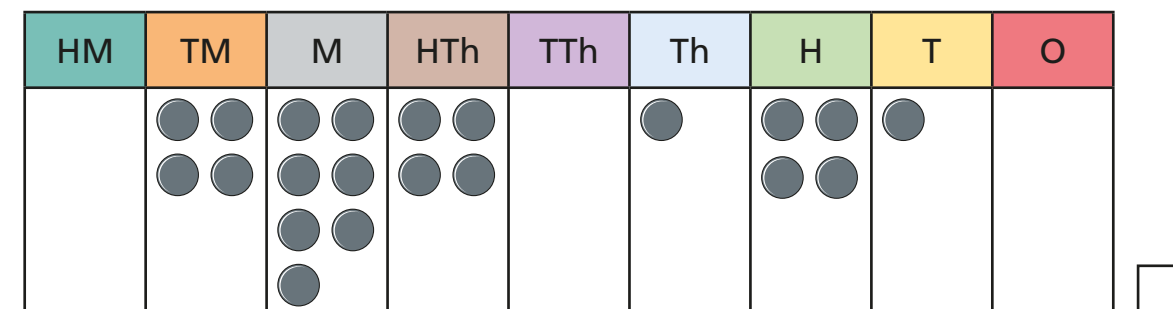
2 Write the values in ascending order.

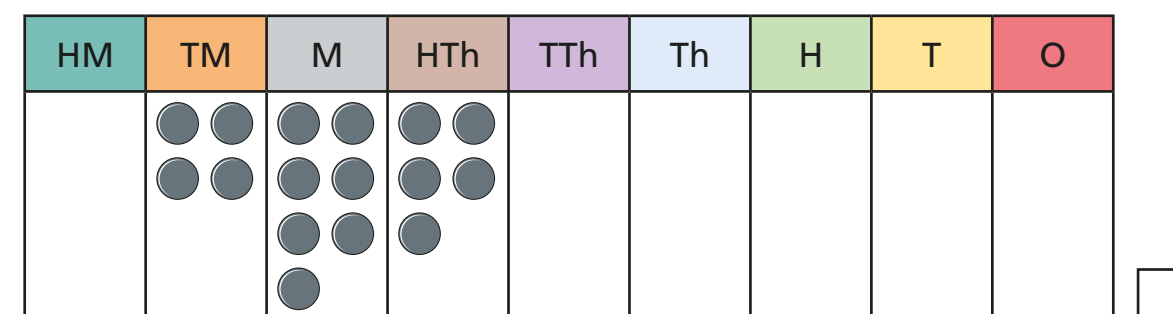
a) 13,000 kg 15,700 kg 12,995 kg 8,700 kg

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

3 Look at the place value charts.







a) Which chart represents the greatest number?

Tick your answer.

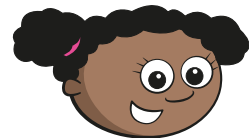
b) How can you know this is the greatest number without working out what each number is?

c) Write the greatest number in figures.

d) Write the numbers in descending order.

- 4 Whitney is writing some numbers in order, starting with the greatest. She writes these numbers.

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



9 is greater than 1 and 0, so 99,999 must be greater than 100,001

Is Whitney correct? _____

Explain your answer.

- 5 Here are the transfer fees of four footballers.

Player	A	B	C	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? _____

- 6 Write the missing digits to make the inequality statement correct.

5,10__ < 5,1__0 < __, __11 < __, ____1

Is there more than one solution?



- 7 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?

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

What could be the population of Mumbai?

How many possible answers are there?

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

HM	TM	M	HTh	TTh	Th	H	T	O
0	<input type="text"/>	0	<input type="text"/>	5	4	0	1	0
<input type="text"/>	7	2	<input type="text"/>	9	6	2	3	2
<input type="text"/>	8	<input type="text"/>	1	<input type="text"/>	<input type="text"/>	1	<input type="text"/>	<input type="text"/>
1	2	<input type="text"/>	5	<input type="text"/>	8	<input type="text"/>	4	<input type="text"/>
1	2	0	5	0	8	0	<input type="text"/>	4

Is there more than one solution?

