

Year 4

Order and Compare Place Value

Maths Mastery Challenge Cards



Maths Mastery Order and Compare Place Value

1. Fatima has four digit cards.



What is the greatest number that Fatima can make?

What is the smallest number that she can make?

Make four numbers of your own with the cards and order them from smallest to greatest.

Maths Mastery Order and Compare Place Value

2. Alfie has an abacus with 3 beads already placed.

He has 2 more beads to place on the abacus.

What is the greatest number that he can make?

What is the smallest number that he can make?

What is the smallest four-digit number that he can make?

Make your own numbers by adding 2 beads to the existing 3 beads and order them from the smallest to greatest.



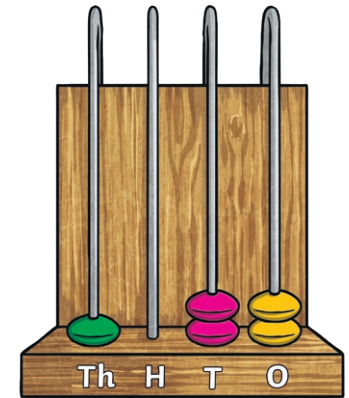
Maths Mastery Order and Compare Place Value

3. Laura has an abacus with 5 beads already placed.

Laura says, "If I move one bead, the largest number that I can make is one thousand, one hundred and twenty-one."

Is she correct?

What is the smallest number that can be made by moving one bead?



Maths Mastery Order and Compare Place Value

4. Laura draws a grid and writes 5 four-digit numbers. She then removes some of the digits.

3		7	
3		0	3
3	1	1	
	7		4
4		6	

Can you write the missing digits to complete the numbers so that they stay in order?

Compare and check your answers with a partner.

Maths Mastery Order and Compare Place Value

5. Alfie has a grid with 5 four-digit numbers. Some of the digits are missing. He has the following digit cards to complete the grid, so the numbers are in order from smallest to greatest.

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



Compare and check your answers with a partner.

Maths Mastery Order and Compare Place Value

6. Fatima had eight digit cards with the digits 1 - 8.

She says, "The greatest even four-digit number that can be made with these digit cards is 8756."

Do you agree?

What is the smallest odd number that can be made?

Make 2 four-digit numbers and compare them using $<$ or $>$.



Maths Mastery Order and Compare Place Value

7. Laura has these even digits on digit cards.

What are the greatest and smallest four-digit numbers that can be made?

Make 4 four-digit numbers and order them from smallest to greatest. Check your answer with a partner.



Year 4 Order and Compare Place Value

Maths Mastery Answers

1. Fatima has four digit cards.

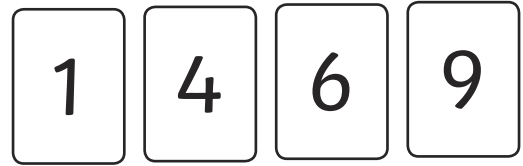
What is the greatest number that Fatima can make?

9641

What is the smallest number that she can make?

1469

Make four numbers of your own with the cards and order them from smallest to greatest.



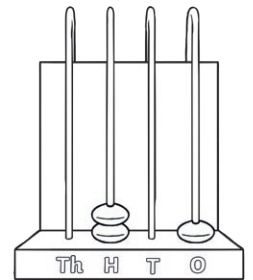
2. Alfie has an abacus with 3 beads already placed.

He has 2 more beads to place on the abacus.

What is the greatest number that he can make? **2201**

What is the smallest number that he can make? **203**

What is the smallest four-digit number that he can make? **1202**



3. Laura has an abacus with 5 beads already placed.

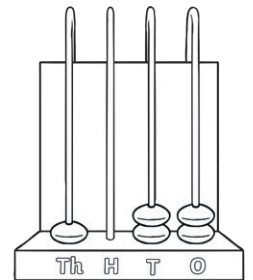
Laura says, "If I move one bead, the largest number that I can make is one thousand, one hundred and twenty-one."

Is she correct?

No, she could make 2021 by moving a bead from the ones to the thousands.

What is the smallest number that can be made by moving one bead?

23 could be made by moving the bead from the thousands to the ones.



4. Laura draws a grid and writes 5 four-digit numbers. She then removes some of the digits.

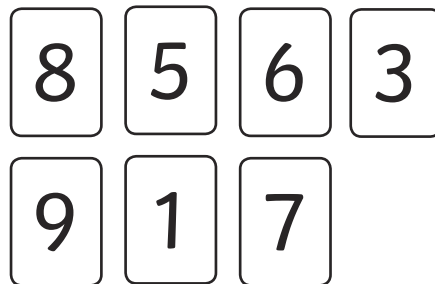
Can you write the missing digits to complete the numbers so that they stay in order?

Accept any correct complete table, such as:

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

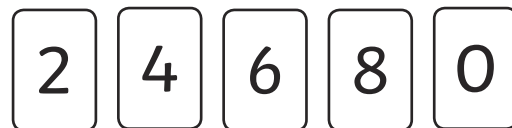
5. Alfie has a grid with 5 four-digit numbers. Some of the digits are missing. He has the following digit cards to complete the grid, so the numbers are in order from smallest to greatest
Accept any correct answer, such as:

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



6. Fatima had eight digit cards with the digits 1 - 8.
She says, "The greatest even four-digit number that can be made with these digit cards is 8756."
Do you agree?
No, the greatest even four-digit number that could be made is 8764.
What is the smallest odd number that can be made? **1235**
Make 2 four-digit numbers and compare them using < or >.
Accept any correct comparison.

7. Laura has these even digits on digit cards.
What are the greatest and smallest four-digit numbers that can be made?



8642 and 2046

Make 4 four-digit numbers and order them from smallest to greatest. Check your answer with a partner.

Accept any correct order.