

To be able to compare and order numbers up to ten million

**MathShed**

**Starter:**  
What do the following representations have in common?

four hundred and thirty-one thousand, two hundred and seven

MDCLXXVIII

M	HTh	TTh	Th	H	T	O

Explain your answer.

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**Activity 1:**  
Complete the statement below using the correct comparison symbol (<, > or =).

M	HTh	TTh	Th	H	T	O
●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●

○

M	HTh	TTh	Th	H	T	O
●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●

Complete the table on the right so that the statement is correct.

M	HTh	TTh	Th	H	T	O
●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●

<

M	HTh	TTh	Th	H	T	O

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**Activity 2:**  
Which number might the paint be covering?

575,000

50,300

>

>

four hundred and twenty-two thousand, four hundred and sixteen

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**Activity 3:**  
A supercar costs £450,000.  
A brand new, top of the range family car costs £50,000.

A luxury car costs halfway between the supercar and the top of the range family car.

How much does the luxury car cost?  
Explain your answer.

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**Activity 4:**  
I have put six numbers in ascending order.  
The smallest number is 457,000 and the largest number is 459,000.

The other four numbers have a digit total of 20.  
Although the other four numbers have matching digits between them, within each number there are no repeating digits.

What might the other four numbers be? Can you think of 4+ possibilities?  
Place them in ascending order.

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**Activity 5:**  
Using the digits represented by the playing cards below, make as many seven-digit numbers as you can. Place them in descending order.

Keep a record in your book!

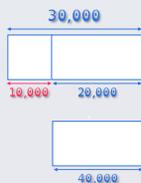
3,467,895

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Evaluation:

I have drawn two bar models. The first shows the difference between 20,000 and 30,000. The second shows 40,000.



Are Astrobee's bar models accurate?  
Explain your answer.