

2 ORDERING NUMBERS PUZZLES



cards numbered
from 0-9

- 1 a Choose three cards.
- b Make the largest number you can with them and write it down.
- c Now make the smallest number you can.
- d What is the difference between your two numbers?
- e Everyone repeat this again with four number cards, then five number cards.

Example Olivia chose the cards

8	6	9
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She made the numbers 689 and 986.

The difference is 297.



f Sam chose three number cards and his difference was 848.
What were the three number cards?
Is there more than one answer?

- 2 What is the smallest number that has four digits where
 - the hundreds digit minus the tens digit equals the thousands digit
 - AND the tens digit minus the thousands digit equals the units digit
 - AND the units digit is two more than the thousands digit.

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