

## Class 5 Maths

## Large Numbers – Word Problems

Solve the following:

1. Find the sum of the largest 7-digit and the smallest 6 digit number.
2. Subtract the greatest 5 digit number from the smallest 6 digit number.
3. Write the greatest and the smallest number using the given digits only once.  
a) 1,8, 0, 2, 5. b) 7, 0,3,4,9,3.
4. The following table displays the total number of paper sold in different parts of a city. Arrange the count in descending order and write the names of the place which has highest paper sold.

Parts of city	Total number of paper
North	8,97,650
South	8,79,650
East	8,97,560
West	8,79,560

Answer: \_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_

5. Find the sum of smallest 8 digit, 7 digit and 6 digit number.
6. Form the greatest and smallest 6-digit number using the digits 8, 1, 0, 4, 3 and 5. Also find the sum of the newly formed numbers.
7. Find the sum of the largest 8-digit number and smallest 6-digit number.
8. Find the sum and difference between the place values of the underlined digits.  
3,48,12,952
9. Form the greatest and smallest 7-digit number by repeating the digits 6,0,3,7.

10. In a class test, out of the four questions, Leo has done one incorrectly. Help him by circling the error and writing the correct answer in the space given below.

Q1. Smallest 7 digit number:

Answer: 10,00,000

Q2. Place Value of 8 in 9,80,007

Answer: 80,000

Q3. Put the correct sign:

Answer:  $98,76,543 < 97,86,543$

Q4. 2 more than the smallest eight digit number:

Answer: 1,00,00,002

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## Answers

**1. Find the sum of the largest 7-digit and the smallest 6-digit number.**

Largest 7-digit number = 99,99,999

Smallest 6-digit number = 1,00,000

### Calculation

99,99,999

$$\begin{array}{r} + 1,00,000 \\ \hline = 1,00,99,999 \end{array}$$

**Answer: 1,00,99,999**

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**2. Subtract the greatest 5-digit number from the smallest 6-digit number.**

Smallest 6-digit number = 1,00,000

Greatest 5-digit number = 99,999

### Calculation

$$\begin{array}{r} 1,00,000 \\ - 99,999 \\ \hline = 1 \end{array}$$

**Answer: 1**

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**3. Write the greatest and smallest number using the given digits only once.**

**a) Digits: 1, 8, 0, 2, 5**

Greatest number → arrange digits in descending order

8 5 2 1 0

**Greatest number: 85,210**

Smallest number → smallest digit cannot be 0 in front

1 0 2 5 8

**Smallest number: 10,258**

**b) Digits: 7, 0, 3, 4, 9, 3**

Greatest number → arrange in descending order

9 7 4 3 3 0

**Greatest number: 9,74,330**

Smallest number → avoid starting with 0

3 0 3 4 7 9

**Smallest number: 3,03,479**

**4. Paper sold in different places**

Arrange the numbers in descending order.

**Answer:**

**8,97,650 > 8,97,560 > 8,79,650 > 8,79,560**

**North > East > South > West**

**Highest paper sold = 8,97,650 North part of the city**

**5. Find the sum of smallest 8-digit, 7-digit and 6-digit numbers.**

**Smallest 8-digit number = 1,00,00,000**

**Smallest 7-digit number = 10,00,000**

**Smallest 6-digit number = 1,00,000**

**Calculation**

**1,00,00,000**

**• 10,00,000**

**• 1,00,000**

**= 1,11,00,000**

**Answer: 1,11,00,000**

**6. Form the greatest and smallest 6-digit number using digits**

**8, 1, 0, 4, 3, 5**

**Greatest number**

Arrange descending

8 5 4 3 1 0

**Greatest = 8,54,310****Smallest number**

First digit cannot be 0

1 0 3 4 5 8

**Smallest = 1,03,458****Sum**

8,54,310

+1,03,458

**= 9,57,768****Answer: 9,57,768**

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**7. Sum of largest 8-digit number and smallest 6-digit number**

Largest 8-digit number = 99,999,999

Smallest 6-digit number = 1,00,000

**Calculation**

99,999,999

• 100,000

**= 1,00,99,999****Answer: 1,00,99,999**

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**8. Find sum and difference of place values**

Number: 3,48,12,952

(Assuming underlined digits are 4 and 1 – common worksheet pattern)

**Place value of 4 = 40,00,000**

**Place value of 1 = 10,000**

**Sum**

$$40,00,000 + 10,000 = 40,10,000$$

**Difference**

$$40,00,000 - 10,000 = 39,90,000$$

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**9. Form the greatest and smallest 7-digit number**

Using digits 6, 0, 3, 7 (repetition allowed)

**Greatest number**

Use largest digits first

7 7 6 6 3 3 0

**Answer: 77,66,330**

**Smallest number**

First digit cannot be 0

3 0 0 3 6 6 7

**Answer: 30,03,667**

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**10. Leo's incorrect answer**

Put the correct sign:

Answer: 98,76,543 < 97,86,543

Answer: 98,76,543 > 97,86,543