



NUMBER SYSTEM

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 01

CHAPTER NAME : NUMBER SYSTEM

SUBTOPIC :PROBLRM SOLVING BASED ON COMPARISON OF NUMBERS

PERIOD NO: 3

CHANGING YOUR TOMORROW

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Learning outcome

- Students will be able to solve problems related to comparison of numbers.
- Students will be able to write given numbers in ascending and descending order.
- Students will develop application skill.

Previous Knowledge Test

Q1. What is the smallest 3-digit number which does not change if digits are written in reverse?

Q2. The largest 5-digit number having three different digits is

(a) 98978 (b) 99897 (c) 99987 (d) 98799

Q3. The difference between the largest 5-digit number and the largest 5-digit number with three distinct digits is

(a) 10 (b) 10012 (c) 12 (d) 123

Lets know more about numbers

COMPARING LARGE NUMBERS GAME



Comparing Numbers from
100,000 to 1,000,000

Up to 6 Players



282,202 314,372 345,984 482,000 574,202 Less Than 432,812

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Lets know more about numbers

Compare and order the following sets of numbers.

1) 67,000 21,000 78,000 23,000 72,000
 > > > >

2) 16,038 61,038 16,380 61,830 61,083
 < < < <

3) 38,023 38,230 3,802 3,082 38,320
 > > > >

4) 93,308 39,308 93,803 93,380 93,830
 < < < <

5) 6,409 16,094 16,940 16,049 16,490
 > > > >

6) 23,908 23,098 23,089 23,988 23,998
 < < < <

Problem Solving Based on Comparison

Q1. Find the sum of largest 5 digit number and largest 4digit number.

Ans : smallest 5 digit number = 99,999

largest 4digit number = 9,999

sum of smallest 5 digit number and largest 4digit number

= 99,999 + 9,999

= 1,09,998.

Evaluation Question

Q14. Find the greatest and the smallest five-digit numbers with 8 in hundred's place and with all the digits different.

Solution:

The greatest and the smallest five-digit numbers with 8 in hundred's place is

Greatest five-digits number = 97,865

Smallest five-digits number = 10,823

Evaluation Question

Q.15. Find the sum of the largest and the smallest four-digit numbers.

Solution:

The largest four-digits number = 9999

The smallest four-digits number = 1000

Sum of the largest and the smallest four digits numbers

$$= 9999 + 1000$$

$$= 10999$$

Evaluation Question

Q16. Find the difference between smallest and largest 6-digit number.

Solution:

Largest 6-digit number=9,99,999

Smallest 6-digit number=1,00,000

Difference between smallest and largest 6-digit number

$$= 9,99,999 - 1,00,000$$

$$= 8,99,999$$

Additional Home assignment

Q1.-----is 152,69 more than the smallest 5-digit number.

Q2. Write the smallest and the greatest numbers of 7 digits without repetition of any digit.

Q3. If 1 is added to the greatest 7-digit number, it will be equal to
(a) 10 thousand (b) 1 lakh (c) 10 lakh (d) 1 crore.

HW
EX.1.A Q.No 18

THANKING YOU
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