place values

Tencrore	crove	Tenlakh	lakh	TenThousand	Thousand	Hundred	Tens	ones
10,00,00000	1,00,00000	10,00,000	1,00,000	10,000	1,000	100	10	1

Note: which number greatest and smallest.

Example ①: given digits 2, 8, 7, 4

(a) Sol greatest number: 8,742

Example ②: smallest number: 2,478

(b) given digits 9, 7, 4, 1

greatest number: 9,741

smallest number: 1,479

(c) Example ③: given digits: 4, 7, 5, 0

4 digit greatest number: 7,540

(d) 4 digit smallest number: 4,057

Example ④

given digits 5, 4, 0, 3

Sol:

4 digit greatest number = 5,430

4 digit smallest number: 3,045

Note:

Accending order

Accending oreder means Arrangement from the smallest to greatest

Example ①

847, 9754, 8320, 571

Accending order: (smallest to Biggest)

571, 847, 8320, 9754

Example ②

9801, 25751, 36501, 38902

Accending order: (small to Biggest)

Sol:

9,801, 25,751, 36,501, 38,902

Example①

2,635, 1,897, 2,954, 1,788, 3,975

Ascending order (Small to Big)

~~1,788, 1,897, 2,635, 2,954, 3,975~~

1,788, 1,997, 2,635, 2,954, 3,975

Descending order

Descending order means arrangement from the greatest to the smallest.

Example②

5,000, 7,500, 95,400, 7,861

Sol

~~Descending order~~: 95,400, 7846, 7,500, 5000

descending order: (Big number to small number)

Example③

1,971, 95,321, 98,715, 92,547

Sol Descending order: (Big number to small number)

92,547, 88,715, 45,321, 1,971,

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Note:

Revisiting place value:-

Example①

20,000

Number name: Twenty thousand

Expansion: 2x10,000

= 20,000

Example①

26,000

Number ~~name~~ name: Twenty six thousand

Expansion: 2x10,000 + ~~6,000~~ 6x1,000

: 20,000 + 6,000

= 26,000

Expanded form

Example ①

7,34,543

$= 7\times1,00,000 + 3\times10,000 + 4\times1,000 + 5\times100 + 4\times10 + 3\times1$

$= 7,00,000 + 30,000 + 4,000 + 500 + 40 + 3$

Example ②

50,35,472

$= 5\times10,00,000 + 0\times1,00,000 + 3\times10,000 + 5\times1,000 + 4\times100 + 7\times10 + 2\times1$

$= 50,00,000 + 0 + 30,000 + 5,000 + 400 + 70 + 2$

Example ③ (Ten thousands, Thousands, Hundreds, Tens, ones)

45,278

$= 4\times10,000 + 5\times1,000 + 2\times100 + 7\times10 + 8\times1$

$= 40,000 + 5,000 + 200 + 70 + 8$

Exercise 1.2

① A book exhibition was held for four days in a school. The number of tickets sold at the counter on the first, second, third and final day was respectfully 1094, 1812, 2050 and 2751. Find the total number of tickets sold on all the four days.

Ⓐ Tickets sold on Ist day = 1094
Ticket sold on IInd day = 1812
Tickets sold on IIIrd day = 2050
Tickets sold on IIIIth day = 2751
(+) 7707

∴ Total Tickets sold on four days = 7707

5/7/24

② Shekar is a famous cricket player. He has so far 6980 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?

Sol - Shekar wishes to complete Runs = 10,000
Shekar so far Scored Runs = 6,980
(−) 3020

∴ 3,020 Runs needed to Shekar.