

Tender Heart High School, sec: 33B, Chandigarh

Class: IV

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Subject: MATHEMATICS

Teacher: Ms. Sushma

Chapter - 1 Large Numbers

Exercise 1.4

A Write the successor of the following numbers.

1. 56431

Soln: $56431 + 1 = 56432$

2. 70803

Soln:- $70803 + 1 = 70804$

3. 447258

Soln:- $447258 + 1 = 447259$

4. 125586

Soln:- $125586 + 1 = 125587$

5. 674895

Soln:- $674895 + 1 = 674896$

6. 776798

Soln:- $776798 + 1 = 776799$

B. Write the predecessors of the following numbers.

1. 23095 23096

2. 63289 63290

3. 724484 724485

4. 675388 675389

5. 856370 856371

6. 925783 925784

C. Compare each pair of numbers. Put $>$ or $<$ in the $\bigcirc$.

1. 18108 $>$ 9818 (5-digit no) 4 digit no.	6. 39346 $<$ 100017 (5-digit no) (6-digit no)
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2. 10018 $<$ 17018 $\uparrow \quad \quad \quad \uparrow$ $1 > 0$	7. 642478 $<$ 642500 $\uparrow \quad \quad \quad \uparrow$ $5 > 4$
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3. 74369 $>$ 25782 $\uparrow \quad \quad \quad \uparrow$ $7 > 2$	8. 287419 $<$ 287919 $\uparrow \quad \quad \quad \uparrow$ $9 > 4$
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4. 37346 $<$ 37410 $\uparrow \quad \quad \quad \uparrow$ $4 > 3$	9. 563510 $>$ 363511 $\uparrow \quad \quad \quad \uparrow$ $5 > 3$
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5. 538214 $>$ 53925 6-digit no 5-digit no
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D. Rewrite the numbers in ascending order: (increasing order)

Ans: 4545, 5454, 6767, 97676

Ans 2. 3142 , 3214 , 13421 , 33244

Ans 3. 5515 , 45500 , 75510 , 355010

Ans 4. 6109 , 6197 , 61901 , 216179

Ans 5. 6000 , 73930 , 91980 , 861791

E. Rewrite the numbers in descending order:-
(Decreasing Order):-

Ans 1 → 47315 42474 3437 1744

Ans 2 → 29051 25090 12059 2109

Ans 3 → 801882 81025 38009 8000

Ans 4 → 76122 17162 16712 6712

Ans 5 → 685370 675249 76898 69413

Forming
Numbers

Greatest number

To form the greatest number, write the digits in decreasing order.

Smallest number

To form the smallest number, write the digits in increasing order.

Get it Right!

0.345 $\times$ 30.45 $\checkmark$
 $\uparrow$ $\uparrow$ "Write 0 after"
 "Do not begin the number with 0" "the smallest digit to form the smallest number"

Exercise 1.5

A. Use the given digits to write the greatest and the smallest numbers.

	Digits	Greatest number	Smallest Number
1.	4, 2, 7, 6, 3	76432	23467
2.	2, 1, 3, 7, 8	87321	12378
3.	8, 6, 2, 5, 9	98652	25689
4.	5, 3, 9, 8, 0, 1	985310	103589
5.	8, 7, 9, 2, 3, 5	987532	235789

B. Use the given digits to write the greatest and the smallest 5-digit numbers. You may repeat the digits

	Digits	Greatest Number	Smallest Number
1.	3, 7, 1, 4	77 431	11 347
2.	2, 5, 0	555 20	2000 5
3.	1, 9, 6	999 61	111 69
4.	3, 9	9999 3	3333 9
5.	7, 5, 3, 0	77530	30057

INTERNATIONAL PLACE VALUE SYSTEM

In the international place value system, the periods for writing a 6-digit number are Ones and Thousands.

Three digits are placed in each period.

Periods →	Thousands.			Ones		
Places →	Hundred Thousands	Ten Thousands	Thousand	Hundreds	Tens	Ones
	H Th	T Th	Th	H	T	O

In both the Indian and International systems, 5 digit numbers are read in the same way. 😊

Checkpoint

Write these numbers in the international place value system using commas. Also write the numbers in words.

1. $\begin{array}{ccccccc} \text{HTh} & \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 5 & 2 & 6 & 5 & 1 & 5 \end{array} \Rightarrow \text{Five hundred twenty six thousand five hundred fifteen.}$
2. $\begin{array}{ccccccc} \text{HTh} & \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 6 & 4 & 0 & 0 & 0 & 0 \end{array} \Rightarrow \text{Six hundred forty thousand.}$
3. $\begin{array}{ccccccc} \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 5 & 6 & 4 & 0 & 1 \end{array} \Rightarrow \text{Fifty six thousand four hundred one.}$
4. $\begin{array}{ccccccc} \text{HTh} & \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 3 & 8 & 4 & 9 & 1 & 1 \end{array} \Rightarrow \text{Three hundred eighty four thousand nine hundred eleven.}$
5. $\begin{array}{ccccccc} \text{HTh} & \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 1 & 9 & 2 & 4 & 6 & 0 \end{array} \Rightarrow \text{One hundred ninety two thousand four hundred sixty.}$
6. $\begin{array}{ccccccc} \text{HTh} & \text{Th} & \text{Th} & \text{H} & \text{T} & \text{O} \\ 3 & 0 & 4 & 5 & 5 & 9 \end{array} \Rightarrow \text{Three hundred four thousand five hundred fifty nine.}$

7. $\overset{\text{H}}{9}\overset{\text{Th}}{9}\overset{\text{Th}}{9}, \overset{\text{H}}{1}\overset{\text{T}}{0}\overset{\text{O}}{0} : \rightarrow$ Nine hundred ninety nine thousand one hundred.

8. $\overset{\text{H}}{2}\overset{\text{Th}}{0}\overset{\text{Th}}{2}, \overset{\text{H}}{2}\overset{\text{T}}{0}\overset{\text{O}}{0} : \rightarrow$ Two hundred two thousand two hundred.

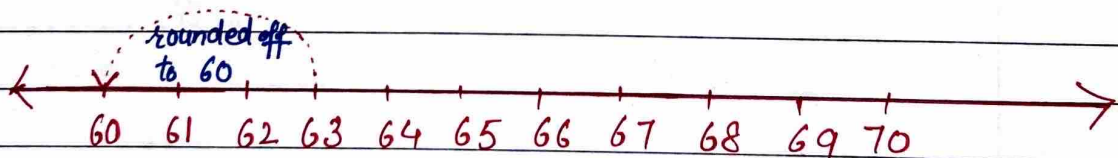
ROUNDING OFF NUMBERS

Sometimes we need only an estimate and not exact figure. For this, numbers can be rounded off.

Rounding off to the nearest 10:—

Eg. Round off 63 to the nearest 10.

63 is between 60 and 70 but closer to 60. So, 63 is rounded off to 60.



Exercise 1.6

A. Round off the following numbers to the nearest 10.

1. 47

47 is between 40 and 50 but closer to 50, so 47 is rounded off to 50.

OR.

$$\begin{array}{c} \text{T O} \\ 47 \\ \downarrow \end{array}$$
 $7 > 5$ $\text{So } 47 \approx 50$

2. $98 \approx 100$

$$\begin{array}{c} \downarrow \\ 8 > 5 \end{array}$$

3. $61 \approx 60$

$$\begin{array}{c} \downarrow \\ 1 < 5 \end{array}$$

4. $\begin{array}{c} \text{H T O} \\ 385 \\ \downarrow \end{array} \approx 390$

5. $\begin{array}{c} \text{H T O} \\ 525 \\ \downarrow \end{array} \approx 530$

6. $\begin{array}{c} \text{H T O} \\ 829 \\ \downarrow \end{array} \approx 830$

7. $\begin{array}{c} \text{H H T O} \\ 4289 \\ \downarrow \end{array} \approx 4290$

8. $\begin{array}{c} \downarrow \\ 7343 \\ \downarrow \end{array} \approx 7340$

9. $\begin{array}{c} \downarrow \\ 4185 \\ \downarrow \end{array} \approx 4190$

10. $\begin{array}{c} \downarrow \\ 6292 \\ \downarrow \end{array} \approx 6290$

11. $\begin{array}{c} \downarrow \\ 7598 \\ \downarrow \end{array} \approx 7600$

12. $\begin{array}{c} \downarrow \\ 9143 \\ \downarrow \end{array} \approx 9140$

B. Round off the following numbers to the nearest 100.

1. $\overset{\text{H T O}}{231} \approx 200$


2. $468 \approx 500$


3. $1845 \approx 1800$


4. $3056 \approx 3100$


5. $2090 \approx 2100$


6. $9550 \approx 9600$


7. $7380 \approx 7400$


8. $6777 \approx 6800$


9. $3296 \approx 3300$


10. $62592 \approx 62600$


11. $73989 \approx 74000$


12. $7343 \approx 7300$
