

Delhi International Sr. Sec. School

Mathematics

Class - VI

Chapter Name - Knowing Our Numbers

Day : Tuesday
Date : April 7, 2020

Introduction of chapter

1. Ascending Order :

Ascending order means arrangement from the smallest to the greatest.

2. Descending Order :

Descending order means arrangement from the greatest to the smallest.

3. 1 hundred = 10 tens

4. 1 thousand = 10 hundreds
= 100 tens

5. 1 crore = 100 lakhs

The Indian System

ten lakh	lakh	Ten thousand	thousand	Hundred	tens	Ones
10,00,000	1,00,000	10,000	1000	100	10	1

The International System

Hundred million	ten million	million	Hundred thousand	ten thousand	thousand	Hundred	tens	Ones
100,000,000	10,000,000	1,000,000	100,000	10,000	1000	100	10	1

Homework

Exercise = 1.1

Ques. 1 Fill in the blanks:

- a) 1 lakh = _____ ten thousand
- b) 1 million = _____ hundred thousand
- c) 1 crore = _____ ten lakh
- d) 1 crore = _____ million
- e) 1 million = _____ lakh

Ques. 2 Insert commas suitable and write the names according to Indian system of numeration:

- a) 87595762
- b) 8546283
- c) 98432701

Ques. 3 Insert commas suitable and write the names according to International system of numeration:

- a) 78921092
- b) 7452483
- c) 48049831

Exercise - 1-1 (solution)

Ques.1 fill in the blanks:

- Ans
- a) 1 lakh = 10 ten thousand
 - b) 1 million = 10 hundred thousand
 - c) 1 crore = 10 ten lakh
 - d) 1 crore = 10 million
 - e) 1 million = 10 lakh

Ques.2 Insert commas suitable and write the names according to Indian System of numeration.

a) 87595762

⇒ 8,75,95,762 = Eight crore, seventy five lakh ninety-five thousand seven hundred sixty two.

b) 8546283

⇒ 85,46,283 = Eight-five lakh forty-six hundred thousand two hundred eighty-three.

c) 98432701

⇒ 9,84,32,701 = Nine crore, eighty-four lakh thirty-two thousand seven hundred one.

Ques/3. Insert commas suitable and write the names according to International system of numeration:

a) 78921092

⇒ 78,921,092 ⇒ Seventy-eight million nine hundred twenty-one thousand ninety-two

b) 7452483

⇒ 7,452,483 ⇒ Seven million four hundred fifty-two thousand eighty-three.

c) 48049831

⇒ 48,049,831 ⇒ Four-eighty million forty-nine thousand eight hundred thirty-one.

Delhi International Sr. Sec. School

Mathematics

Class - VI

Day: Wednesday
Date: April 8, 2020

Chapter - 1 (Continue...)

Chapter Name: Knowing Our Numbers

Exercise - 1.2

Ques: 1 A book exhibition was held for four days in a school. The number of tickets sold at the counter on the 1st, 2nd, 3rd and 4th day was respectively 1094, 1812, 2050 and 2751. Find the total number of tickets sold on all the four days.

Ans.

Number of tickets sold on the 1st day	= 1094
" " " " " " 2nd day	= 1812
" " " " " " 3rd day	= 2050
" " " " " " 4th day	= 2751
	+
Total tickets sold	= 7707

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

Ans.

Run to achieve	= 10,000
Run scored	= -6,980
Run required	= 3,020

Ques.3 In an election, the successful candidate registered 5,77,500 votes and his nearest rival secured 3,48,700 votes. By what margin did the successful candidate win the election?

Ans:

No. of votes secured by successful candidate = 5,77,500
 " " " " " by his nearest rival = 3,48,700
 Margin between them = 2,28,800

Ques.4 A merchant had ₹ 78,592 with her. She placed an order for purchasing 40 radio sets at ₹ 1200 each. How much money will remain with her after the purchase?

Ans:

cost of 1 radio = ₹ 1200
 cost of 40 radios = ₹ 1200 × 40
 = ₹ 48000
 Money had merchant = ₹ 78,592
 Money spent = ₹ 48,000
 Money left = ₹ 30,592

Ques.5 A vessel has 4 litres and 500 ml of curd. In how many glasses each of 25 ml capacity, can it be filled?

Ans:

Capacity of curd in a vessel = 4 l 500 ml
 = (4 × 1000 + 500) ml
 = 4500 ml

180
 25 | 4500
 -250

 200
 -200

 0

Capacity of 1 glass = 25 ml
 No. of glasses = 4500 ml ÷ 25 ml
 = 180 glasses

Date: 10th April Class-VI

Day: Friday Practice Questions Ex. 1.2

Ques. 1 Find the difference between the greatest and the least number the can be written using the digits 6, 2, 7, 4, 3 each once.

Ques. 2 Medicine is packed in boxes, each weighing 4 kg 500 g. How many such boxes can be loaded in a van which cannot carry beyond 800 kg?

Ques. 3 The distance between the school and the house of a student's house is 1 km 875 m. Every day she walks both ways. Find the total distance covered by her in six days.

Solⁿ (i) Greatest 5-digit number using given digits = 76432
 Smallest 5-digit " " " " = 23467
 Difference = 52965

Solⁿ (2) Weight of 1 box = 4 kg 500 g
 = 4 × 1000 + 500
 4000 + 500
 4500 g

Maximum load can be loaded in van = 800 kg
 = 800 × 1000
 = 800000 g

Number of boxes = 800000 ÷ 4500
 = 177 boxes

177
 800000
 4500
 35000
 31500
 35000
 31500
 3500

Ans. 3

Distance between school and home = 1.875 km

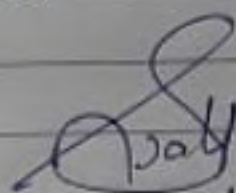
Distance between home and school = 1.875 km

Total distance covered in 1 day = $\overset{+}{3.750}$ km

Distance covered in 6 days = 3.750×6
= 22.500 km

Homework:

Do these questions in fair notebook.



10/04/2020



Exercise 1.3

Question 1:

Estimate each of the following using general rule:

- (a) $730 + 998$
- (b) $796 - 314$
- (c) $12,904 + 2,888$
- (d) $28,292 - 21,496$

Answer 1:

- | | |
|---|---|
| (a) 730 round off to 700
998 round off to <u>1000</u>
Estimated sum = <u>1700</u> | (b) 796 round off to 800
314 round off to <u>300</u>
Estimated sum = <u>500</u> |
| (c) 12904 round off to 13000
2888 round off to <u>3000</u>
Estimated sum = <u>16000</u> | (d) 28292 round off to 28000
21496 round off to <u>21000</u>
Estimated difference = <u>7000</u> |

Question 2:

Give a rough estimate (by rounding off to nearest hundreds) and also a closer estimate (by rounding off to nearest tens):

- (a) $439 + 334 + 4317$
- (b) $1,08,737 - 47,599$
- (c) $8325 - 491$
- (d) $4,89,348 - 48,365$

Answer 2:

- | | |
|--|---|
| (a) 439 round off to 400
334 round off to 300
4317 round off to <u>4300</u>
Estimated sum = <u>5000</u> | (b) 108734 round off to 108700
47599 round off to <u>47600</u>
Estimated difference = <u>61100</u> |
| (c) 8325 round off to 8300
491 round off to <u>500</u>
Estimated difference = <u>7800</u> | (d) 489348 round off to 489300
48365 round off to <u>48400</u>
Estimated difference = <u>440900</u> |

Question 3:

Estimate the following products using general rule:

- (a) 578×161
- (b) 5281×3491
- (c) 1291×592
- (d) 9250×29

Answer 3:

- (a) 578×161

578 round off to 600

161 round off to 200

The estimated product = $600 \times 200 = 1,20,000$

- (b) 5281×3491

5281 round of to 5,000

3491 round off to 3,500

The estimated product = $5,000 \times 3,500 = 1,75,00,000$

- (c) 1291×592

1291 round off to 1300

592 round off to 600

The estimated product = $1300 \times 600 = 7,80,000$

- (d) 9250×29

9250 round off to 10,000

229 round off to 30

The estimated product = $10,000 \times 30 = 3,00,000$