Date: 6/4/2019

Ch-1
Numbers
Exercise - 1.1

Q.1- Fill in the blanks:

a. 6 million = 60 lakh

b. 3 crore = 30 million

c. 20 crore = 200 million

d. 2 lakh = 200 thousand

Q.2 - a- Using digits 2, 4, 6, 0, 5 write:

(i) the smallest five-digit number using each digit only once.

Ans- 20,456

(ii) the largest six-digit number using the digit '0' twice and all the other digits only once.

Ans- 6,54,200

(iii) the largest seven-digit number using digit '4' thrice and the other digits exactly once.

Ans- ~~6,5,4,4,4,2,0~~ 65,44,420

b- Using digits 1, 3, 5, 6, 0, 8, 9 write:

(i) the smallest seven digit number using each digit exactly only.

Ans- 10,35,689

(ii) the largest eight-digit number using the digit 9 twice and all the other digits exactly once.

Ans- 99,865,310

(iii) the smallest nine-digit number using the digit '0' thrice and all other digits exactly once.

Ans- 100,356,89

Q.3a- write the largest and the smallest 8-digit number and also find how many number s lie between these two numbers.

Ans- Largest 8 digit no → 99999999
Smallest 8 digit no - 10000000

Number between them - 99999999
−10000000
89999999
− 1
89999998

b- write the largest and the smallest 7 digit number and also find how many 7 digit number are there in all.

Ans- Largest 7 digit no - 9999999
Smallest 7 digit no - 1000000

Number are there in all - 9999999
−1000000
8999999
+ 1
9000000

Q.4- Find the product of :

a- Greatest 3-digit number and smallest five 5-digit number.

Ans- Greatest 3-digit number - 999
Smallest 5-digit number - 10000

Product of greatest and smallest no. are - 999 × 10000
= 9990000

b- Smallest 5-digit number and greatest 4-digit number.

Ans- Smallest 5-digit number - 10000
Greatest 4-digit number - 9999

Product of smallest and greatest no. are
10000 × 9999
= 99990000

Q.5 write the numerals for the given number names:

a- Two lakh and ten
Ans- 2,00,010

b- Nine hundred thousand and ninety nine.
Ans- 900,099

c. Thirty lakh and three thousand.
Ans. 30,03,000

d. Three crore twenty seven lakh and eighteen thousand.
Ans. 3,27,18,000

e. Twenty three crore Forty two lakh thirty seven thousand and Fifty one.
Ans. 23,42,37,051

f. Five million two hundred thirty-three thousand six hundred and seventy-Five.
Ans. 5,233,675

g. Nine million nine thousand and nine.
Ans. 9,009,009

h. Forty-three million two hundred Fifty three thousand one hundred and Forty one.
Ans. 43,253,141

i. Sixty-six million sixty thousand and sixty six.
Ans. 66,060,066

j. Six hundred thirty two million Four hundred fifty-three thousand seven hundred and Forty three.
Ans. 632,453,743.

Q.6 Write the number names for the given numerals as indicated:

a. Indian system

(i) 4,52,890
Ans- Four Lakh fifty two thousand Eight Hundred ninety.

(ii) 30,03,330
Ans- Thirty lakh three hundred thirty.

(iii) 63,58,90,321
Ans- Sixty three crore fifty eight lakh ninety thousand three hundred twenty one.

b. International system

(i) 4519,706
Ans- four million five hundred nineteen thousand seven hundred six.

(ii) 352,050
Ans- Three hundred fifty two thousand fifty.

(iii) 387,489,054
Ans- Three hundred ~~million~~ Eighty seven million four hundred eighty nine thousand fifty four.

Q7. Write the given numbers in expanded Form:

a. 56129 = 50,000 + 6,000 + 100 + 20 + 9

b. 900999 = 9,00,000 + 900 + 90 + 9

c. 5416789 = 50,00,000 + 4,00,000 + 10,000 + 6,000 + 700 + 80 + 9

d. 38193863 = 30,00,0000 + 8,00,000 + 1,00,000 + 90,000 + 3,000 + 800 + 60 + 3

Q8. Write the Face value and the place value of:

a. the two Fives in 65058
b. the two nines in 8936954
c. the two sixes in 68902629
d. the two threes in 24330

Ans:

Numbers	Face value	Place value
65058	5, 5	5,000 ; 50
8936954	9, 9	9,00,000, 900
68902629	6, 6	60,00,000, 6,000
24330	3, 3	300, 30

Date: 10/04/19

Ex-1.1

Q.9- How many numbers are there with:

a- 6-digits

Ans- The largest 6-digit no = 999999
The smallest 6-digit no = 100000

899999
+ 1
900000

b- 7-digits

Ans- The largest 7-digit no = 9999999
The Smallest 7-digit no = 1000000

Total no. — 9999999
−1000000
8999999
+ 1
9000000

c- 8-digits

Ans- The largest 8-digits no - 99999999
The Smallest 8-digit no - 10000000

Total no. - 99999999
−10000000
89999999
+ 1
90000000

d- 9-digits

Ans- The largest 9-digits no. = 999999999
The smallest 9-digits no. = 100000000

Total no. - 999999999
- 100000000
899999999
+ 1
900000000

Q.10- a- How many numbers are there between 43 and 58?

Ans-
58
-43
15
-1
14

14 numbers are there between 43 and 58.

b- How many numbers are there between 63 and 74?

Ans-
74
-63
11
-1
10

10 numbers are there between 74 and 63.

Q.11- Rewrite the given numbers after inserting comma at appropriate places as indicated. Also, name the different periods that are separated by the commas.

a- Indian system:

(i) 724569 - 7,24,569 -

lakh	Thousand	Hundred
7	24	569

(ii) 2678932 - 26,78,932 -

Lakh	Thousand	Hundred
26	78	932

(iii) 561209367 - 56,12,09,367

Crore	Lakh	Thousand	Hundred
56	12	09	367

b- International system:

(i) 391672 - 391,672 -

Thousand	Hundred
391	672

(ii) 5418458 - 5,418,458 -

Million	Thousand	Hundred
5	418	458

(iii) 294751854 - 294,751,854 -

million	Thousand	Hundred
294	751	854

Q.12. Write the corresponding numeral for the following

a- $3\times10000 + 5\times1000 + 6\times100 + 9\times10 + 3\times1$

Ans- $3\times10000 + 5\times1000 + 6\times100 + 9\times10 + 3\times1$

$= 30000 + 5000 + 600 + 90 + 3$

TTh	Th	H	T	O
3	5	6	9	0

$= 35,690$

Thousand | Hundred

b- $3\times10000000 + 6\times10000 + 4\times1000 + 9\times100 + 7\times10 + 4\times1$

Ans- $3\times1000000 + 6\times10000 + 4\times1000 + 9\times100 + 7\times10 + 4\times1$

$= 3000000 + 60000 + 4000 + 900 + 70 + 4$

L	TL	Th	H	T	O
3	0	6	4	9	7	4

$= 30,64,974$

Lakh | Thousand | Hundred

c- $7\times100000000 + 6\times10000000 + 2\times1000000 + 8\times100000 + 5\times10000 + 3\times1000 + 2\times100 + 1\times10 + 9\times1$

Ans- $7\times100000000 + 6\times10000000 + 2\times1000000 + 8\times100000 + 5\times10000 + 3\times1000 + 2\times100 + 1\times10 + 4\times1$

$= 700000000 + 60000000 + 2000000 + 800000 + 50000 + 3000 + 200 + 10 + 4$

TC	C	TL	L	Th	H	T	O
7	6	2	8	5	3	2	1	4

$= 76,28,53,214$

Crore | Lakh | Thousand | Hundred

d- $2\times1000000000 + 2\times100000000 + 9\times10000000 + 6\times1000000 + 4\times10000 + 7\times1000 + 8\times100 + 6\times10 + 5\times1$

Ans- $2\times1000000000 + 2\times100000000 + 9\times10000000 + 6\times1000000 + 4\times10000 + 7\times1000 + 8\times100 + 6\times10 + 5\times1$

$= 2000000000 + 200000000 + 9000000 + 600000 + 40000 + 7000 + 800 + 60 + 5$

TL	C	TL	L	Th	Th	H	T	O
2	2	9	6	4	7	8	6	5

$= 22,96,47,865$

Crore | Lakh | Thousand | Hundred

Q.13- Arrange in ascending order :

a- 28379, 283769, 283148, 28356.

Ans- 28356, 28379, 283148, 283769

b- 54367, 54878, 54298, 541234, 544567

Ans- 54298, 54367, 54878, 541234, 544567

c- 2361897, 45712688, 4573695, 2361 4576, 2364581, 45713898, 4572363, 2364178

Ans- 2361897, 2364581, 4572363, 4573695, 23614576, 23641785, 45712688, 45713898

d- 52373412, 76482783 6, 76485119, 5237278 45, 5237418, 76483 4188, 76482789

Ans- 5237418, 52373412, 76482789, 76485119, 52372784 5, 76482783 6, 76483 4188.

Arrange in descending order:

a- 78492 , 784659 , 78481 , 784684

Ans- 784684, 784659, 78492, 78481

b- 47634, 47356, 47981, 471122, 472381

Ans- 472381, 471122, 47981, 47634, 47356

c- 3645934, 248631381, 2487527, 36475249,
3646363, 24859387

Ans- 36475249, 248631381, 24859387, 3646363,
3645934, 2487527.

d- 39236457, 41529366, 41571245, 392714512,
39229366.

Ans- 392714512, 41571245, 41529366, 39236457,
39229366

Q.15- A new ..... two days?

Ans- Video recieved hits on I day = 27,8946
Video recieved hits on II day = 317823

Total recieved hits - 2,78,946
+3,17,823
5,96,769

Q.16- A machine ..... February 2016?

Ans- No of days in Feb = 29 days
machine produce erasers in February =
53575
× 29
482175
+10715 0x
1553675 = 15,53,675

Q.17- In one ..... 4 months?

Ans- Salesman covers total distance in one month = 1484
2129
1484
+2129
7226 = 7,226 km salesman will cover in 4 months.

Q.18- A truck ..... this truck?

Ans- A truck can carry weight = 15,750
1 sack of potato = 18 kg

No of sack loaded on truck = 15,750 ÷ 18
= 875 packets.

25/14

date- 21/04/19

Ch-1

Ex-1.2

Q1- Fill in the blanks:—

a- 75 x 2 km = 150 km = 1,50,000 m.

75 x 2 km

= 150 km

1 km = 1000 m

150 x 1000

= 150,000

b- 25 x 935 L = 23,375 L = 2,33,75,000 ml.

25 x 935 L

= 23375 L

1 L = 1000 ml

23,375 x 1000

= 2,33,75,000

c- 65 kg x 8156 g = 530140 g = 530140000 mg

65 x 8156

53,01,40, g

1 kg = 1000 g

53,01,40 g x 1000

53,01,40,000 mg

1 g = 1000 mg

53,01,40,000 mg x 1000

= 530140000 mg

d- 95 x 45 km = 42,75,00000 cm = 4,27,50,00,000 mm

95 x 45 km

= 4275 km

1 km = 1,00,000

4275 x 1,00,000

= 42,75,00,000 cm

1 cm = 10 mm

42,75,00,000 x 10

= 427,50,00,000 mm

e- 85 x 325 kg = 2,76,25,000 g.

85 x 325

= 27625 kg

1 kg = 1000 g

= 27625 x 1000 g

= 2,76,25,000 g

f- 75 x 465 L = 34875 L = 34875000 ml.

75 x 465

= 34875 L

1 L = 1000 ml

= 34875 x 1000

= 3,48,75,000

Q.2- Round off the given number as indicated:—

a. Nearest to:—

(i) 3 — 0

(ii) 6 — 10

(iii) 23 — 20

(iv) 47 — 50

Date

b- Nearest 100 :-

Q2- a (i) 167 - 200
(ii) 148 - 100
(iii) 255 - 300
(iv) 319 - 300

c. Nearest 1000 :-

b (i) 4543 — 5000
(ii) 7123 - 7000
(iii) 1901 - 2000
(iv) 5500 - 6000

Q3- Estimate the following as indicated :—

2- estimating each term to the nearest 100 :-

c (i) 957 - 243
957 - 1000
243 - 200
1000 - 200
800

(ii) 1567 + 5667
1567 - ~~2000~~ 1600
5667 - ~~6000~~ 5700
1600 ~~2000~~ + ~~6000~~ 5700
~~8000~~ 7300

(iii) 4234 - 2444
4234 = ~~4000~~ 4200
2444 = ~~2000~~ 2400
4200 ~~4000~~ - ~~2000~~ 2400
~~2000~~ 1800

(iv) 759 - 654
759 = 800
654 = 700
800 - 700
100

b- estimating each term to nearest the 1000.

(i) 6890 - 3132
6890 = 7000
3132 = 3000
4000

(ii) 5296 + 8611
5296 = 5000
8611 = 9000
5000 + 9000
14,000

(iii) 6387 - 2394
6387 = 6000
2394 = 1000
6000 - 2000
4000

b(iv) 7654 + 3999

7654 = 8000

(i) 3999 = 4000

B(ii) 8000 + 4000

(iii) 12,000

(iv)

Q:4- Find the product by estimating each term to :

a- its greatest place :—

(i) 458 × 512

458 = 500

512 = 500

~~25,00,000~~ 2,50,000

Q:3-

(ii) 297 × 716

297 = 300

716 = 700

300 × 700

= 2,10,000

(iii) 782 × 403

782 = 800

403 = 400

800 × 400

~~3,20,000~~

(iv) 726 × 501

726 = 700 / 501 = 500

700 × 500

= 3,50,000

b- Nearest 100 :—

(i) 458 × 512

458 = 500

512 = 500

2,50,000

Nearest 10 = 2,50,000

(ii) 297 × 716

297 = 300

716 = 700

2,10,000

Nearest 10 = 2,10,000

(iii) 782 × 403

782 = 800

400 = 400

3,20,000

Nearest 10 = 3,20,000

(iv) 726 × 501

726 = 700

501 = 500

3,50,000

Nearest 10 = 3,50,000

Q:5- Estimate the quotient by estimating each term to its greatest place.

a- 887 ÷ 32

= 27

Estimating its greatest place = 30

b- 1449 ÷ 264
= 1000 ÷ 300
= 3

c- 2222 ÷ 521
= 2000 ÷ 500
= 4

d- 3578 ÷ 77
= 46
estimating of its greatest place = 50

Q.6- Write the roman numeral for : —

a- 83 - LXXXIII
b- 235 - CCXXXV

Q.7- Write the given Roman numerals in Indian systems of numerals. —

a- CCXXIX - 229
b- CDXLVII - 447

Q.9- A milk ..... left over?
Ans- milk booth has milk - 1kl 750 ml
= 1 x 1000000 + 750
= 1000 750 ml
Booth Provides milk to each family = 2l 250 ml
= 2 x 100 ml + 250 ml
= (2000 + 250) ml
= 2250 ml

maximum number of family can cater = 1000750ml / 2250 ml
2250 ÷ 1000750ml
= family will get
milk = 444
left milk in booth = 1750 ml
= 1l 750ml

Q.10- weight of ..... ?
Ans- weight of each pack = 45 g
Peter maker cookies = 115 kg
= 115 x 1000 G
= 115000 g

No. of packs he will sell - 115000 ÷ 45
= 23000

1 pack price - 7.50 ⇒ 23000 / 45 9
2555 packs
price = 2555 x 7.50
= 19162.50 ₹
⇒ 9 ÷ 23000 ⇒ 23000 ÷ 9
= 2555 packets
= 25 is Reminder = 25g left.

Q.11- A toy ..... nearest hundred
Ans- Store had marbles = 5763 = 5800
No. of sold marbles = 3445 = 3400
Left marbles = 5763 - 3445
= 2318
Sorry
Estimate marbles = 2300

Date- 1/0

(10)

Q.12- A post ..... nearest ten?

Ans- No. of domestic letters = 8638
No. of foreign letters = 2468
Total no. of letters = 8638 + 2468
= 11106

Sorry

Q.11- A toy ..... nearest hundred?

Ans- Marbles in stock = 5763 = 5800
No. of sold marbles = 3445 = 3400
Left marbles = 5800 - 3400
= 2400

Q.12- A post ..... nearest ten?

Ans- No. of domestic letters = 8638 = 8640
No. of foreign letters = 2468 = 2470
Total no. of letters = 8640 + 2470
= 11110

Ques-a
Ans-
b)
Ans-
c)
Ans-
Ques 9
(i)
Ans-
(ii)
Ans
(iii)
Ans