

Class - III

Mathematics

Chapter - I Unit I
Large Numbers

Ex 1.1

I Write the number names

2347 - Two thousand three hundred forty seven

3869 - Three thousand eight hundred sixty nine

5027 - Five thousand twenty seven

II Write the numerals

One thousand two hundred thirty six - 1236

Three thousand six hundred - 3600

Five thousand five hundred fifty five - 5555

III Write in expanded form

$$1964 = 1000 + 900 + 60 + 4$$

$$3690 = 3000 + 600 + 90 + 0$$

$$6899 = 6000 + 800 + 90 + 9$$

$$7012 = 7000 + 000 + 10 + 2$$

IV. Write the place value and face value of 3 in the following numbers

Th H T O
a) 1463
 L → Face value = 3
 Place value = 3

Th H T O
b) 3781
 L → Face value = 3
 Place value = 3000

c) 4131
 L → Face value = 3
 Place value = 30

B. Write the place value and face value of ii 8 in the following

Th H T O
1810
 L → Face value = 8
 Place value = 800

b) 3198
 L → Face value = 8
 Place value = 8

c) 7181
 L → Face value = 8
 Place value = 80

Ex 1.3

i) Write the successor of:-

$$3843 - \underline{3844}$$

$$4897 - \underline{4898}$$

$$5102 - \underline{5103}$$

ii) Write the predecessor of:-

$$3498 - \underline{3497}$$

$$1078 - \underline{1077}$$

$$7400 - \underline{7399}$$

Ex 1.4 Pg. 8

i) Circle the smallest number

a. $\boxed{1286}$ 4862 3368 2394

b. 5963 5693 5802 $\boxed{5134}$

c. 7910 $\boxed{7901}$ 7923 7911

ii) Circle the greatest number

a. 1286 $\boxed{2862}$ 1368 1632

b. 8102 8201 8012 $\boxed{8324}$

c. 3014 3023 3086 $\boxed{3093}$

Ex 1.5 Pg no. 9

i) Arrange in ascending order

Q.1 4986 3842 2184 5026

Ans 2184 3842 4986 5026

Q.2 3864 1989 2120 6002

Ans 1989 2120 3864 6002

ii) Arrange in descending order

Q.1 9189 9812 9218 9128

Ans 9812 9218 9189 9128

Q.2 8468 3794 3878 7398

Ans 8468 7398 3878 3794

Ex 1.6 Pg no. 10

i) Form the greatest and smallest 4 digit number using the digits 4, 6, 0, 3

Greatest number = 6430

Smallest number = 3046

b) Form the greatest and smallest four digit number using the digits

6, 2, 0, 4

The greatest number = 6420

Smallest number = 2046

c) Form the greatest and smallest 4 digit number using the digits 8, 1, 3, 9

Greatest number = 9831

Smallest number = 1389

Ex 1.7

Even numbers

Numbers having 0, 2, 4, 6, or 8 at ones place

are called even numbers.

eg:- 30, 42, 76, 98

Odd numbers

Numbers having 1, 3, 5, 7 or 9 at ones

place are called odd numbers

eg:- 11, 23, 71, 55, 69

i) Write the even numbers between 52 and 70

Ans 54, 56, 58, 60, 62, 64, 66, 68

ii) Write the even numbers between 1186 and 1220 (including both the number)

Ans 1186, 1188, 1190, 1192, 1194, 1196, 1198
1200, 1202, 1204, 1206, 1208, 1210, 1212
1214, 1216, 1218, 1220

iii) Write the odd numbers between 60 and 76

Ans 61, 63, 65, 67, 69, 71, 73, 75

iv) Write the odd numbers between 1011 and 1039

Ans 1011 1013 1015 1017 1019 1021, 1023
1025 1027 1029 1031 1033 1035 1037

Fill in the blanks

1. The greatest four digit odd number is 9999.

2. The smallest four digit even number is 1000.

I. Rounding off numbers to nearest tens

Rules

1. For rounding off a number to nearest tens, check the digit at ones place. If the digit at ones place is, 0, 1, 2, 3, 4 then change the ones digit to 0.

eg:- 51 \rightarrow 50
94 \rightarrow 90

ii. If the ~~tens~~^{ones} place digit is 5, 6, 7, 8 or 9, then the number will be rounded off to next tens

Eg. $75 \rightarrow 80$

$58 \rightarrow 60$

Ex - 1-8

I Round off the numbers to nearest tens

$31 - 30$

$272 \rightarrow 270$

$59 - 60$

$344 \rightarrow 340$

$22 - 20$

$518 \rightarrow 520$

$75 - 80$

$476 \rightarrow 480$

$83 - 80$

$19 \rightarrow 20$

II Round off to nearest tens

$2259 - 2260$

$3781 - 3780$

$7478 - 7480$

$5962 - 5960$

$1453 \rightarrow 1450$

1. Rules of rounding off to nearest hundreds

i) For rounding off numbers to nearest hundreds, check the digit at ten's place

If the digit at ten's place is 0, 1, 2, 3 or 4 then the number is rounded off to previous hundreds

eg. - $711 \rightarrow 700$

$629 \rightarrow 600$

ii) If the digit at ten's place is 5, 6, 7, 8 or 9, then the number is rounded off to next hundreds.

eg. - $281 \rightarrow 300$

$166 \rightarrow 200$

Ex - 1.8

I. Round off the numbers to nearest hundreds

$117 - 100$

$2813 - 2800$

$291 - 300$

$6375 - 6400$

$445 - 400$

$552 - 600$

$774 - 800$

Chapter-2

Addition

Fill in the blanks

- The result obtained on addition is called sum.
- The numbers that are added are called addends.

$$10 + 9 = 9 + 10$$

$$8 + 7 = 7 + 8$$

$$25 + 11 + 16 = 11 + 16 + 25$$

$$74 + 0 = 0 + 74$$

Ex 2.1 Pg no. 19

Add the following

a) $347 + 42$

$$\begin{array}{r} 347 \\ + 42 \\ \hline 389 \end{array}$$

Ans = 389

b) $609 + 9$

$$\begin{array}{r} 609 \\ + 9 \\ \hline 618 \end{array}$$

Ans = 618

c) $469 + 246$

$$\begin{array}{r} 469 \\ + 246 \\ \hline 715 \end{array}$$

Ans = 715

d) $778 + 143$

$$\begin{array}{r} 778 \\ + 143 \\ \hline 921 \end{array}$$

Ans = 921

Ex 2.2 Pg no. 20

Word problem

Q.1 Sol

No. of boys in the primary school = 243

No. of girls in the school = 315

Total no. of students in the school = $243 + 315$

$$\begin{array}{r} 243 \\ + 315 \\ \hline 558 \end{array}$$

Ans = 558 students are there

Q.2 Sol

No. of seashells collected by Vinay = 165

No. of seashells collected by his friends = 435

Total no. of seashells collected = $165 + 435$

$$\begin{array}{r} 165 \\ + 435 \\ \hline 600 \end{array}$$

Ans = 600 seashells are collected

Q.3 Sol

No. of bags of rice = 538

No. of bags of wheat = 376

Total no. of bags in the shop = $538 + 376$

$$\begin{array}{r} 538 \\ + 376 \\ \hline 914 \end{array}$$

Ans = 914 bags are there in the shop

Ex 2.3

Add the following

a) $125 + 346 + 134$

$$\begin{array}{r} 125 \\ 346 \\ + 134 \\ \hline 605 \end{array}$$

Ans = 605

b) $331 + 247 + 460$

$$\begin{array}{r} 331 \\ 247 \\ + 460 \\ \hline 1038 \end{array}$$

Ans = 1038

c) $278 + 329 + 148$

$$\begin{array}{r} 278 \\ 329 \\ + 148 \\ \hline 755 \end{array}$$

Ans = 755

d) $184 + 306 + 237$

$$\begin{array}{r} 184 \\ 306 \\ + 237 \\ \hline 727 \end{array}$$

Ans = 727

Ex 2.4 Pg no. 23

Q1 Sol

No. of men visited the zoo = 243

No. of women visited the zoo = 178

No. of children visited the zoo = 358

Total no. of people visited the zoo
= $243 + 178 + 358$

243

178

358

779

Ans = 779 people visited the zoo.

Q3 No. of runs scored by Anil = 135

No. of runs scored by Amit = 148

No. of runs scored by Ali = 125

Total runs scored by three of them

= 135 + 148 + 125

135

148

+ 125

Ans = 408 runs scored

408

Q4 Sol

No. of cartons of apples = 349

No. of cartons of pears = 239

No. of cartons of oranges = 421

Total no. of cartons = 349 + 239 + 421

349

~~239~~

+ 421

1009

Ans = 1009 cartons

Ex 2.5

Estimate the sum by rounding off to the nearest ten and also find the actual sum

a) $506 + 498$

Actual sum Estimated sum

$$\begin{array}{r} 506 \\ + 498 \\ \hline 1004 \end{array} \quad \rightarrow \quad \begin{array}{r} 510 \\ + 500 \\ \hline 1010 \end{array}$$

Actual sum = 1004 Estimated sum = 1010

b) $613 + 204$

Actual sum Estimated sum

$$\begin{array}{r} 613 \\ + 204 \\ \hline 817 \end{array} \quad \rightarrow \quad \begin{array}{r} 610 \\ + 200 \\ \hline 810 \end{array}$$

Actual sum = 817 Estimated sum = 810

c) $972 + 288$

Actual sum Estimated sum

$$\begin{array}{r} 972 \\ + 288 \\ \hline 1260 \end{array} \quad \rightarrow \quad \begin{array}{r} 970 \\ + 290 \\ \hline 1260 \end{array}$$

Actual sum = 1260 Estimated sum = 1260

Estimate the sum by rounding off to the nearest hundred and also find the actual sum

a $525 + 268$

Actual sum Estimated sum

$$\begin{array}{r} 525 \rightarrow 500 \\ 268 \rightarrow 300 \\ \hline 793 \qquad 800 \end{array}$$

Actual sum = 793 Estimated sum = 800

b $455 + 179$

Actual sum Estimated sum

$$\begin{array}{r} 455 \rightarrow 500 \\ 179 \rightarrow 200 \\ \hline 634 \qquad 700 \end{array}$$

Actual sum = 634 Estimated sum = 700

Ex 2.6 Pg no. 27

Add the following

a) $3152 + 4310$

Actual sum Estimated sum

$$\begin{array}{r} 3152 \\ + 4310 \\ \hline 7462 \end{array}$$

Ans = 7462

Add

Ex. 2.7

a) 6767 + 2478

b) 3259 + 4874

$$\begin{array}{r}
 6767 \\
 + 2478 \\
 \hline
 9245
 \end{array}$$

$$\begin{array}{r}
 3259 \\
 + 4874 \\
 \hline
 8133
 \end{array}$$

Ans = 9245 Ans = 8133

d) 1656

$$\begin{array}{r}
 1656 \\
 + 2689 \\
 \hline
 4345
 \end{array}$$

Ans = 4345

Ex 2.8

1. Add the following

638 + 4948 + 235

$$\begin{array}{r}
 638 \\
 4948 \\
 + 235 \\
 \hline
 5821
 \end{array}$$

Ans = 5821

2. 35 + 6241 + 2304

$$\begin{array}{r}
 35 \\
 6241 \\
 + 2304 \\
 \hline
 8580
 \end{array}$$

Ans = 8580

Q.3 Word problem = Pg 40. 2957 + 1242 + 2398

Sol:

No. of tricolour balloons released

On first year = 5957

On second year = 1242

On third year = 2398

Total no of balloons released in three years

$$= 5957 + 1242 + 2398$$

$$\begin{array}{r} 5957 \\ 1242 \\ + 2398 \\ \hline 9597 \end{array}$$

Ans = 9597 balloons

Properties of addition

i) When 0 is added to a number, the sum is the number itself.

Eg:- $51 + 0 = 51$

$94 + 0 = 94$

ii) When 1 is added to a number, the sum is the successor of the given number.

Eg:- $39 + 1 = 40$

$55 + 1 = 56$

Ex 2.9

Fill in the blanks

a) $14 + 0 = 14$

$21 + 1 = 22$

$54 + 1 = 55$

$84 + 0 = 84$