

## Chapter 2: Number Work

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### PROBLEM SET 2 [PAGE 3]

#### Problem Set 2 | Q 1 | Page 3

Using the digits 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 write ten each of two-, three-, four- and five-digit numbers. Read the numbers.

#### SOLUTION

Two-digit numbers	Reading a number
37	Thirty - seven
80	Eighty
49	Forty-nine
65	Sixty-five
28	Twenty-eight
54	Fifty-four
94	Ninety-two
71	Seventy-one
16	Sixteen
22	Twenty-two

Three-digit numbers	Reading a number
504	Five hundred and four
386	Three hundred eighty-six
430	Four hundred thirty
891	Eight hundred ninety-one
615	Six hundred fifteen
267	Two hundred sixty-seven
900	Nine hundred
173	One hundred seventy-three
766	Seven hundred sixty-six
258	Two hundred and fifty-eight

<b>Four-digit numbers</b>	<b>Reading a number</b>
3,817	Three thousand eight hundred and seventeen
4,059	Four thousand fifty-nine
9,611	Nine thousand six hundred and eleven
7,413	Seven thousand four
5,608	Five thousand six hundred and eight
2,009	Two thousand and nine
6,420	Six thousand four hundred and twenty
1,357	One thousand three hundred and fifty-seven
8,172	Eight thousand one hundred and seventy-two
6,156	Six thousand one hundred and fifty-six

<b>Five-digit numbers</b>	<b>Reading a number</b>
41,309	Forty-one thousand, three hundred and nine
68,527	Sixty-eight thousand five hundred and twenty-seven.
50,348	Fifty thousand three hundred and forty-eight
76,052	Seventy-six thousand and fifty-two
21,546	Twenty-one thousand five hundred and forty-six
10,358	Ten thousand three hundred and fifty-eight
94,215	Ninety-four thousand two hundred and fifteen
36,104	Thirty-six thousand one hundred and four
89,157	Eighty-nine thousand one hundred and fifty-seven
72,560	Seventy-two thousand five hundred and sixty

### Problem Set 2 | Q 2 | Page 3

Fill in the blanks in the table below.

<b>Devanagari numerals</b>	<b>International numerals</b>	<b>Number written in words</b>

२,३५९	2,359	Two thousand, three hundred and fifty-nine
३२,७५६	_____	_____
_____	67,859	_____
१,०३४	_____	_____
_____	_____	Twenty-seven thousand, eight hundred and ninety-five

### **SOLUTION**

<b>Devanagari numerals</b>	<b>International numerals</b>	<b>Number written in words</b>
२,३५९	2,359	Two thousand, three hundred and fifty-nine
३२,७५६	<b>32,756</b>	<b>Thirty-two thousand seven hundred and fifty-six</b>
६७,८५९	67,859	<b>Sixty-seven thousand eight hundred and fifty-nine</b>
१,०३४	<b>1,034</b>	<b>One thousand and thirty-four</b>
२७,८९५	<b>27,895</b>	Twenty-seven thousand, eight hundred and ninety-five

### **Problem Set 2 | Q 3 | Page 3**

As a part of the 'Avoid Plastic Project', Zilla Parishad schools made and provided paper bags to provision stores and greengrocers. Read the talukawise numbers of the bags and write the numbers in words.

Kopargaon 12,740	Shevgaon 28,095	Karjat 31,608	Sangamner 10,972
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### **SOLUTION**

<b>Talukas</b>	<b>No. of Bags</b>	<b>Numbers in words</b>
Kopargaon	12,740	Twelve thousand seven hundred and forty
Shevgaon	28,095	Twenty-eight thousand and ninety-five
Karjat	31,608	Thirty-one thousand six hundred and eight

Sangamner	10,792	Ten thousand seven hundred and ninety-two
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### Problem Set 2 | Q 4.1 | Page 3

**How many rupees do they make?**

20 notes of 1000 rupees, 5 notes of 100 rupees, and 14 notes of 10 rupees.

#### **SOLUTION**

20 notes of 1,000 rupees =	20 x 1000	= ₹ 20,000
5 notes of 100 rupees =	5 x 100	= ₹ 500
14 notes of 10 rupees =	14 x 10	= ₹ 140
	<b>Total</b>	<b>= ₹ 20,640</b>

∴ They make, twenty thousand, six hundred and forty.

### Problem Set 2 | Q 4.2 | Page 3

**How many rupees do they make?**

15 notes of 1000 rupees, 12 notes of 100 rupees, 8 notes of 10 rupees, and 5 coins of 1 rupee.

#### **SOLUTION**

15 notes of 1000 rupees =	15 x 1000	= ₹ 15000
12 notes of 100 rupees =	12 x 100	= ₹ 1200
8 notes of 10 rupees =	8 x 10	= ₹ 80
5 coins of 1 rupee =	5 x 1	= ₹ 5
	<b>Total</b>	<b>= ₹ 16285</b>

∴ They make, sixteen thousand, two hundred and eighty-five

### Problem Set 2 | Q 5 | Page 3

Write the biggest and the smallest five-digit numbers that can be made using the digits 4, 5, 0, 3, 7 only once.

#### **SOLUTION**

Biggest five-digit numbers = 75430

smallest five-digit numbers = 03457

### Problem Set 2 | Q 6 | Page 3

The names of some places and their populations are given below. Use this information to answer the questions that follow.

- Tala: 40,642
  - Gaganbawada: 35,777
  - Bodhwad: 91,256
  - Moregaon: 87,012
  - Bhamragad: 35,950
  - Velhe: 54,497
  - Ashti: 76,201
  - Washi: 92,173
  - Morwada: 85,890
1. Which place has the greatest population? What is its population ?
  2. Which place, Morwada or Moregaon, has the greater population?
  3. Which place has the smallest population? How much is it?

### **SOLUTION**

1. Washi has the greatest population. Population of Washi is 92,173
2. Moregaon has a greater population.
3. Gaganbawada has the smallest population. Its population is 35,777

### **PROBLEM SET 3 [PAGE 5]**

#### **Problem Set 3 | Q 1 | Page 5**

Read the numbers and write them in words.

1. 7,65,234
2. 4,73,225
3. 3,27,001
4. 8,75,375
5. 1,50,437
6. 2,03,174
7. 6,47,851
8. 9,00,999
9. 5,75,010
10. 4,03,005

### **SOLUTION**

<b>Numbers</b>	<b>Words</b>
7,65,234	Seven lakh, sixty-five thousand, two hundred, and thirty-four.
4,73,225	Four lakh, seventy-three thousand, two hundred, and twenty-five.

3,27,001	Three lakh, twenty-seven thousand and one
8,75,375	Eight lakh seventy-five thousand three hundred and seventy-five
1,50,437	One lakh fifty thousand four hundred and thirty-seven
2,03,174	Two lakh three thousand one hundred and seventy-four
6,47,851	Six lakh forty-seven thousand eight hundred and fifty-one
9,00,999	Nine lakh nine hundred and ninety-nine
5,75,010	Five lakh seventy-five thousand and ten
4,03,005	Four lakh three thousand and five.

### Problem Set 3 | Q 2 | Page 5

Read the numbers and write them in figures.

1. One lakh thirty-five thousand eight hundred and fifty-five
2. Seven lakh twenty-seven thousand
3. Four lakh twenty-five thousand three hundred
4. Nine lakh nine thousand ninety-nine
5. Seven lakh forty-nine thousand three hundred and sixty-two

### **SOLUTION**

1. One lakh thirty-five thousand eight hundred and fifty-five: **1,35,855**
2. Seven lakh twenty-seven thousand: **7,27,000**
3. Four lakh twenty-five thousand three hundred: **4, 25,003**
4. Nine lakh nine thousand ninety-nine : **9,09,099**
5. Seven lakh forty-nine thousand three hundred and sixty-two: **7,49,362**

### Problem Set 3 | Q 3 | Page 5

Make five six-digit numbers, each time using any of the digits 0 to 9 only once.

### **SOLUTION**

1. 4,09,138
2. 3,17,045
3. 1,20,645
4. 9,72,860

5. 6,54,302

### PROBLEM SET 4 [PAGE 6]

#### Problem Set 4 | Q 1 | Page 6

Read the numbers and write them in words.

1. 25,79,899
2. 30,70,506
3. 45,71,504
4. 21,09,900
5. 43,07,854
6. 50,00,000
7. 60,00,010
8. 70,00,100
9. 80,01,000
10. 90,10,000
11. 91,00,000
12. 99,99,999

### SOLUTION

<b>25,79,899</b>	Twenty-five lakh, seventy-nine thousand, eight hundred, and ninety-nine.
<b>30,70,506</b>	Thirty lakh, seventy thousand, five hundred, and six.
<b>45,71,504</b>	Forty-five lakh, seventy-one thousand, five hundred and four.
<b>21,09,900</b>	Twenty-one lakh, nine thousand, nine hundred.
<b>43,07,854</b>	Forty-three lakh, seven thousand, eight hundred and fifty-four.
<b>50,00,000</b>	Fifty lakh.
<b>60,00,010</b>	Sixty lakh and ten.
<b>70,00,100</b>	Seventy lakh and one hundred
<b>80,01,000</b>	Eighty lakh and one thousand
<b>90,10,000</b>	Ninety lakh and ten thousand
<b>91,00,000</b>	Ninety-one lakh
<b>99,99,999</b>	Ninety-nine lakh, ninety-nine thousand, nine hundred, and ninety-nine.

#### Problem Set 4 | Q 2 | Page 6

Given below are the deposits made in the Women's Co-operative Credit Societies of some districts. Read those figures.

- Pune : ₹ 94,29,408
- Nashik : ₹ 61,07,187
- Nagpur : ₹ 46,53,570
- Ahmadnagar : ₹ 45,43,159
- Aurangabad : ₹ 37,01,282
- Yavatmal : ₹ 27,72,348
- Sindhudurg : ₹ 58,49,651

### **SOLUTION**

Pune: ₹ 94,29,408	Rupees ninety-four lakh, twenty-nine thousand, four hundred and eight.
Nashik: ₹ 61,07,187	Rupees sixty-one lakh, seven thousand, one hundred and eighty-seven.
Nagpur: ₹ 46,53,570	Rupees forty-six lakh, fifty-three thousand, five hundred and seventy
Ahmadnagar: ₹ 45,43,159	Rupees forty-five lakh, forty-three thousand one hundred and fifty-nine.
Aurangabad: ₹ 37,01,282	Rupees thirty-seven lakh, one thousand, two hundred and eighty-two.
Yavatmal: ₹ 27,72,348	Rupees twenty-seven lakh, seventy-two thousand, three hundred and forty-eight.
Sindhudurg: ₹ 58,49,651	Rupees fifty-eight lakh, forty-nine thousand, six hundred, and fifty-one.

### **PROBLEM SET 5 [PAGE 7]**

#### **Problem Set 5 | Q 1.1 | Page 7**

**Write the place value of the underlined digit.**

78, 95,210

### **SOLUTION**

78, 95,210 - Here, the underlined digit 7 is in ten lakhs place. So, its place value is 70,00,000 (70 lakhs)

#### **Problem Set 5 | Q 1.2 | Page 7**

**Write the place value of the underlined digit.**

14, 95,210

### **SOLUTION**

14, 95,210 - Here, the underlined digit 4 is in lakhs place. So, its place value is 4,00,000 (4 lakhs)

#### **Problem Set 5 | Q 1.3 | Page 7**

**Write the place value of the underlined digit.**

3,52,749

**SOLUTION**

**3,52,749** - Here, the underlined digit 5 is in ten thousands place. So, its place value is 50,000 (50 thousands)

**Problem Set 5 | Q 1.4 | Page 7**

**Write the place value of the underlined digit.**

50,000

**SOLUTION**

**50,000** - Here, the underlined digit '0' is in the unit place. Hence, its place value is 0 (zero)

**Problem Set 5 | Q 1.5 | Page 7**

**Write the place value of the underlined digit.**

89, 99,988

**SOLUTION**

**89, 99,988** - Here, the underlined digit 9 is in ten thousands place So, its place value is 90,000 (90 thousands)

**Problem Set 5 | Q 2.1 | Page 7**

**Write the number in their expanded form.**

56,43,215

**SOLUTION**

**56,43,215** -  $50,00,000 + 6,00,000 + 40,000 + 3,000 + 200 + 10 + 5$

**Problem Set 5 | Q 2.2 | Page 7**

**Write the number in their expanded form.**

70,815

**SOLUTION**

**70,815** -  $70,000 + 800 + 10 + 5$

**Problem Set 5 | Q 2.3 | Page 7**

**Write the number in their expanded form.**

8,35,999

**SOLUTION**

**8,35,999** -  $8,00,000 + 30,000 + 5,000 + 900 + 90 + 9$

**Problem Set 5 | Q 2.4 | Page 7**

**Write the number in their expanded form.**

8,88,889

**SOLUTION**

**8,88,889** -  $8,00,000 + 80,000 + 8,000 + 800 + 80 + 9$

**Problem Set 5 | Q 2.5 | Page 7**

**Write the number in their expanded form.**

92,32,992

**SOLUTION**

**92,32,992** -  $90,00,000 + 2,00,000 + 30,000 + 2,000 + 900 + 90 + 2$

**Problem Set 5 | Q 3.1 | Page 7**

**Write the place name and place value of digit in the following number.**

35, 705

**SOLUTION**

Digit 3 is in ten thousands place, its place value is 30,000

Digit 5 is in thousands place, its place value is 5,000

Digit 7 is in hundreds place, its place value is 700

Digit 0 is in ten place, its place value is 0

Digit 5 is in units place, its place value is 5

**Problem Set 5 | Q 3.2 | Page 7**

**Write the place name and place the value of the digit in the following number.**

7, 82, 899

**SOLUTION**

Digit 7 is in lakhs place, its place value is 7,00,000

Digit 8 is in ten thousands place, its place value is 80,000

Digit 2 is in thousands place, its place value is 2,000

Digit 8 is in hundreds place, its place value is 800

Digit 9 is in tens places, its place value is 90

Digit 9 is in units place, its place value is 9

**Problem Set 5 | Q 3.3 | Page 7**

**Write the place name and place value of a digit in the following number.**

82, 74, 508

**SOLUTION**

Digit 8 is in ten lakhs place, its place value is 80,00,000

Digit 2 is in lakhs place, its place value is 2,00,000

Digit 7 is in ten thousands place, its place value is 70,000

Digit 4 is in thousands place, its place value is 4,000

Digit 5 is in hundreds place, its place value is 500

Digit 0 is in ten place, its place value is 0

Digit 8 is in units place, its place value is 8

**Problem Set 5 | Q 4.1 | Page 7**

**The expanded form of the number is given. Write the number.**

$60,000 + 4000 + 600 + 70 + 9$

**SOLUTION**

The number is 64,679

**Problem Set 5 | Q 4.2 | Page 7**

**The expanded form of the number is given. Write the number**

$9,00,000 + 20,000 + 7000 + 800 + 5$

**SOLUTION**

The number is 9,27,805.

**Problem Set 5 | Q 4.3 | Page 7**

**The expanded form of the number is given. Write the number.**

$20,00,000 + 3,00,000 + 60,000 + 9000 + 500 + 10 + 7$

**SOLUTION**

The number is 23,69,517.

**Problem Set 5 | Q 4.4 | Page 7**

**The expanded form of the number is given. Write the number.**

$7,00,000 + 80,000 + 4000 + 500$

**SOLUTION**

The number is 7,84,500.

**Problem Set 5 | Q 4.5 | Page 7**

**The expanded form of the number is given. Write the number.**

$80,00,000 + 50,000 + 1000 + 600 + 9$

**SOLUTION**

The number is 80,51,609.

**PROBLEM SET 6 [PAGE 8]**

**Problem Set 6 | Q 1 | Page 8**

Write the proper symbol, '<' or '>' in the box.

5,705		15,705
22,74,705		12,74,705
35,33,302		35,32,302
99,999		9,99,999
4,80,009		4,90,008
35,80,177		35,88,172

**SOLUTION**

5,705	<	15,705
22,74,705	>	12,74,705
35,33,302	>	35,32,302
99,999	<	9,99,999
4,80,009	<	4,90,008
35,80,177	<	35,88,172

**Problem Set 6 | Q 2.1 | Page 8**

**Solve the problem given below.**

The Swayamsiddha Savings Group made 3,45,000 papads while the Swabhimani Group made 2,95,000. Which group made more papads?

**SOLUTION**

Here,  $3,45,000 > 2,95,000$

Hence, the Swayamsiddha saving group made more papads

**Problem Set 6 | Q 2.2 | Page 8**

**Solve the problem given below.**

Children of the Primary School in Ahmadnagar District collected 2,00,000 seeds while those in Pune District collected 3,25,000. Which children collected more seeds?

### **SOLUTION**

Here,  $3,25,000 > 2,00,000$

Hence, Pune District children collected more seeds.

### **Problem Set 6 | Q 2.3 | Page 8**

**Solve the problem given below.**

The number of people who took part in the Republic Day flag-hoisting ceremony was 2,01,306 in Pandharpur taluka and 1,97,208 in Malshiras taluka. In which taluka did a larger number of people participate?

### **SOLUTION**

Here,  $2,01,306 > 1,97,208$

Hence, people of Pandharpur taluka participated in a larger number

### **Problem Set 6 | Q 2.4 | Page 8**

**Solve the problem given below.**

At an exhibition, the Annapoorna Savings Group sold goods worth ₹ 5,12,345.

The Nirman Group sold goods worth ₹ 4,12,900. This figure was ₹ 4,33,000 for the Srujan Group and ₹ 5,11,937 for the Savitribai Phule group.

Which group had the largest sales?

Which group had the smallest? Write the sales figures in ascending order.

### **SOLUTION**

Among the numbers 5,12,345; 4,12,900; 4,33,000; 5,11,937 5,12,345 is largest and 4,12,900 is smallest.

Hence, the Annapoorna group had the largest sale, and Nirman Group had the smallest sales.

Sales in ascending order.

$4,12,900 < 4,33,000 < 5,11,937 < 5,12,345$