SNBP International & Sr. Secondary School, Chikhali, Pune.

Affiliation No. 1130703

Academic session 2024-25

Lno-2 Notes -(Term-1)

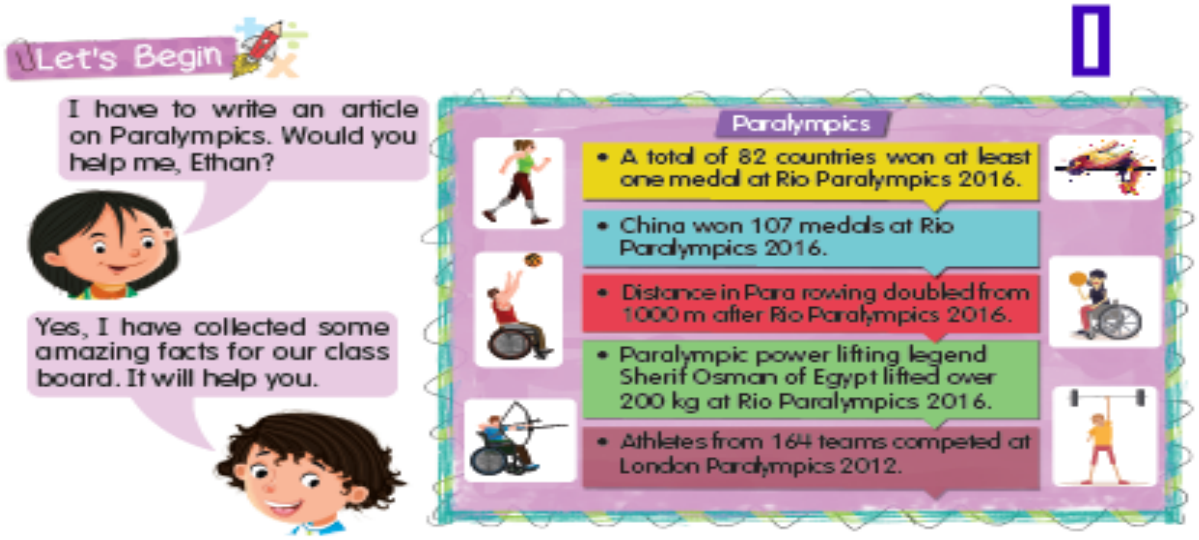
CLASS :III | SUBJECT: Maths

Prepared by -Rajni Y. | L –2 More on Numbers

Pre- activity -Let's Begin (Page no 81) in text book.

2 More on Numbers

Let's Begin



Read the information given above and answer the following questions.

a. How many medals did China win at Rio 2016? Write your answer in words. — 107

b. Draw Dienes blocks to represent 100 m less than the distance in Para rowing before Rio Paralympics 2016. Also, write the number.

900

c. How many teams competed at London Paralympic Games? Write your answer in expanded form. — 100 + 60 + 4

d. Follow the clues and write the numbers.

i. 500 more than the number of countries that won at least one medal at Rio 2016 — 582

ii. 50 less than the number of medals China won at Rio 2016 — 57

Concrete Stage

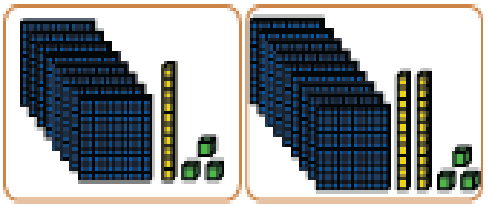
Use 'Dienes Blocks/Counters' to compare the given numbers and arrange these numbers on the number line. Circle the number that comes farthest towards the right. Is it the smallest or the greatest number?

321, 347, 318, 367, 335, 393

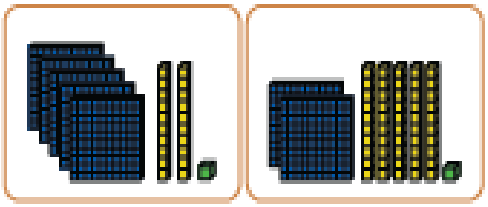
Answer: It is the greatest number among all.

Pictorial Stage

1. Observe the Dienes blocks representations and form a comparison number statement using (< or >) symbols.

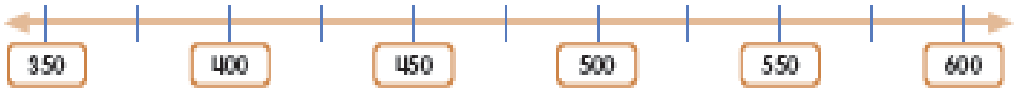
a 

813 < 923

b 

521 > 251

2. Observe the number of tennis balls sold by Kyra's father in 6 months. Place the number of balls sold in different months at appropriate positions on the given number line.



Answer: Answer may vary.

Abstract Stage

Compare the given numbers (using > or <), and order them as stated.

a 628 > 349 < 822 Ascending order 349 628 822

b 217 < 712 > 172 Descending order 712 217 172

Number Talk

1. Do you see a pattern in the above numbers? What pattern is it? Discuss.

I can see the digit in the hundreds place is increasing with every step. Does it mean we are increasing the numbers by 100 with every step?

Yes, Ethan. We call such patterns number sequences. A number sequence always follows a unique rule to work out the next numbers in a sequence.

235 335 435 535 635

Rule: Add 100

+100

2. Can we use arrow cards instead to work out the number of cards Kyra has? Look at the steps given below and discuss what is being done.

Answer: Answer may vary.

Let us first represent 235 using arrow cards.

As we need to add two more bunches of 100, we can add 200 to our number.

	200	30	5
+	200		
	400	30	5

Concrete Stage

Use the 'Dienes Blocks' or 'Arrow Cards' to identify the rules, and write the numbers continuing the number sequences. Follow your teacher's instruction. One has been done for you.

a) 277, 279, 281, 283, 285

This number sequence continues by counting on / back in 2s.

b) 395, 390, 385, 380, 375

This number sequence continues by counting on / back in 5s.

c) 576, 676, 776, 876, 976

This number sequence continues by counting on / back in 100s.

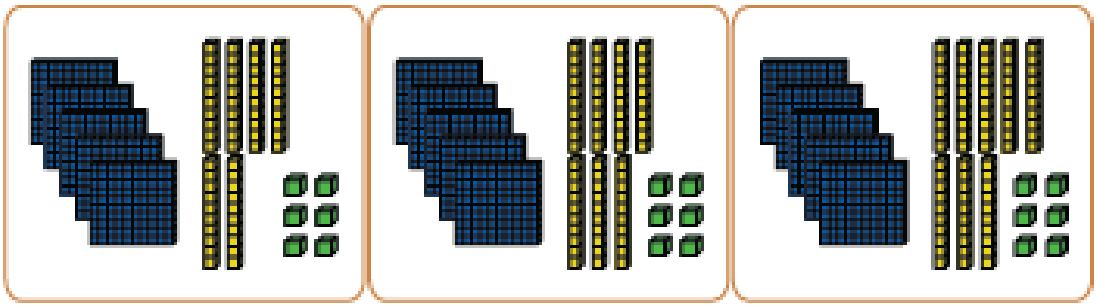
d) 663, 563, 463, 363, 263

This number sequence continues by counting on / back in 100s.

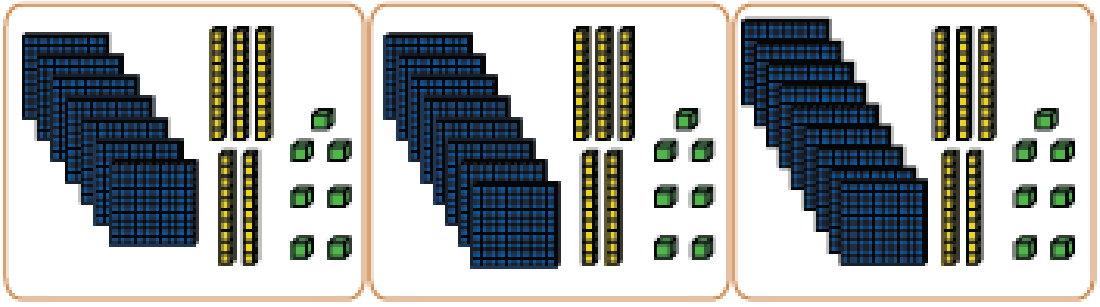
Pictorial Stage

1. Look at the Dienes blocks representations given below and work out the following.

a) Find 10 less and 10 more.

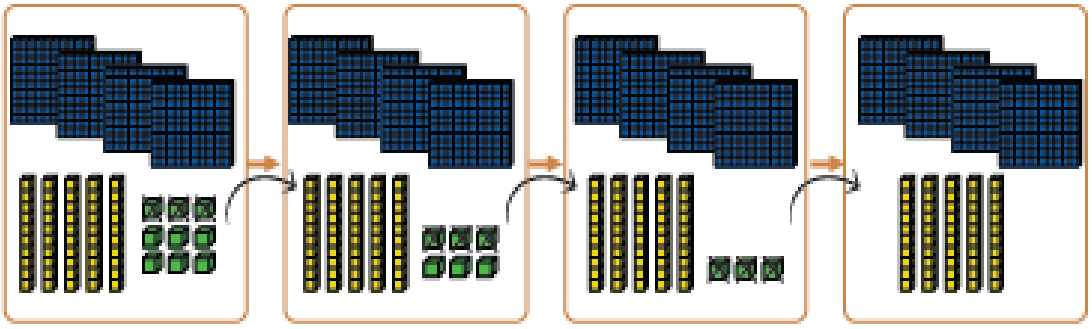


b) Find 100 less and 100 more.



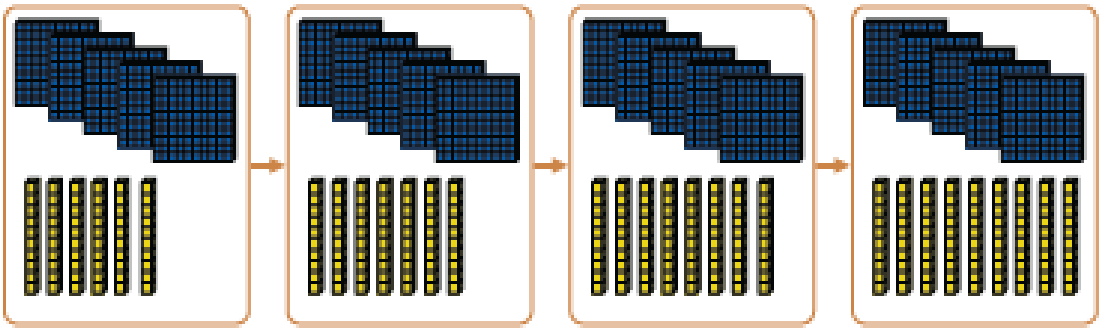
2 **Draw Dienes blocks to represent the given numbers. Form a number sequence of your own. One has been done for you.**

a Count back in ones / tens / hundreds from 459.



459 → 456 → 453 → 450

b Count on in ones / tens / hundreds from 560.



560 → 570 → 580 → 590

Abstract Stage

Observe each number sequence and tick (✓) the numbers that belong to the sequence. One has been done for you.

a 31, 33, 35, 37 …

44	36	57	49
☐	☐	✓	✓

b 412, 422, 432, …

460	462	491	482
☐	✓	☐	✓

c 688, 588, 488 …

389	288	180	187
☐	✓	☐	☐

d 316, 312, 308, …

280	293	300	287
✓	☐	✓	☐

Concrete Stage

Use 'Arrow Cards' to round the numbers to the nearest tens and hundreds in your notebook.

a 811	b 649	c 427	d 962
810, 800	650, 600	430, 400	960, 1000
e 550	f 399	g 918	h 222
550, 500	400, 400	920, 900	220, 200

Pictorial Stage

1 Fill in the blanks.

a 749 to the nearest 10s rounds up/down to 750.

b 374 to the nearest 100s rounds up/down to 400.

c Round to the nearest tens 870

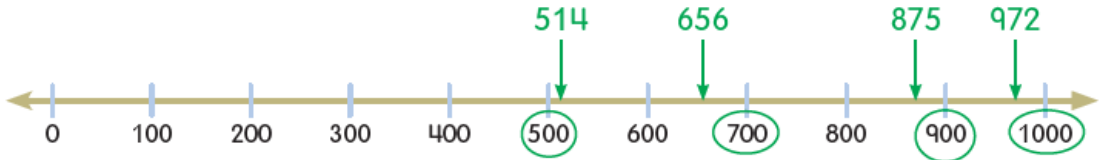
869

Round to the nearest hundreds 900

Abstract Stage

1 Place the numbers at appropriate positions on the number line, and round off the numbers to the nearest 100s.

875 972 656 514



2 What are the smallest and the greatest numbers that give 100 when rounded off to the nearest hundred?

smallest number 50 greatest number 149

Linking Chain

English

Look at the words given below. Arrange these words in alphabetical order and give a mathematical example for each word.

a sequence b compare c order

d estimate e round

Answer: Answer may vary.

Activity Zone

Hot Sheet

- Pair with your partner.
- Pick a card from the stack and hand it over to the partner. The partner gives clues about the number.
- Identify the number.

878	882	887	893	900
905	907	909	911	913

Clues

- The number lies between _____ and ____.
- The number rounded off to the nearest ten gives _____.
- The number rounded off to the nearest hundred gives _____.
- The digit in the ones/tens/hundreds place is _____.

Players take turn to play the game.

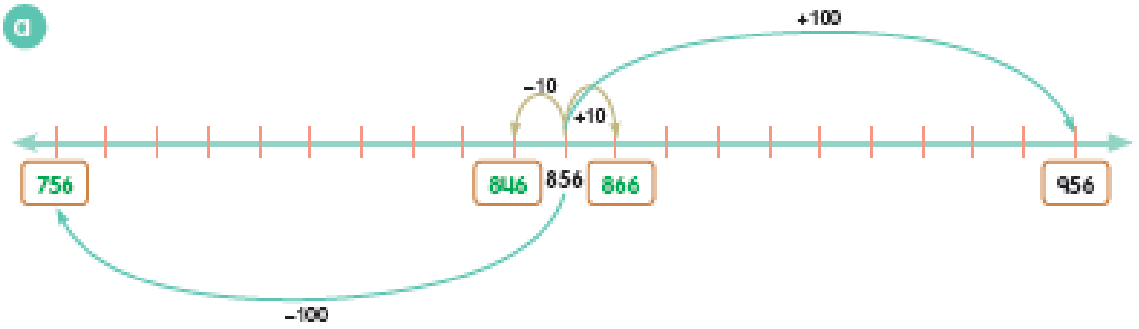
The player who finds the number with lesser number of clues is the winner.

Answer: Answers as per the cards drawn from the bunch.

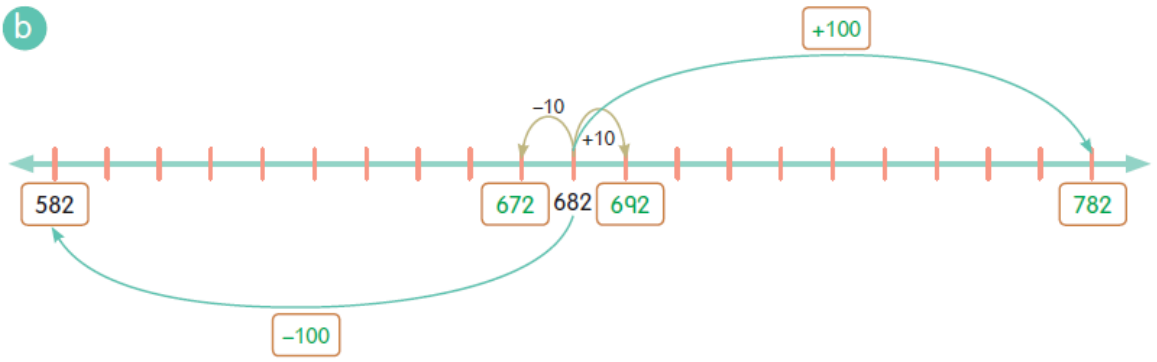
Blooming Questions

1 Fill in the boxes with correct numbers to complete the number lines.

a



b



2 **Observe the given number grid pieces and fill in the boxes with correct numbers.**

a

134	135	136
234	235	236
334	335	336

b

788	789	790
888	889	890
988	989	990

c

677	678	679
777	778	779
877	878	879

d Look at the above number grid pieces and tick (✓) the correct statements.

i. All odd numbers are greater than the even numbers. [x]

ii. There are equal number of odd and even numbers. [x]

3 **Arrange the number of athletes participating in sports event from day 1 to day 4 in ascending order.**

Day 1 - [983] Day 2 - [643] Day 3 - [762] Day 4 - [881]

Ascending order: [643] < [762] < [881] < [983]

4 **Arrange the number of tickets sold in a fun fair in descending order.**

Week 1 - [893] Week 2 - [231] Week 3 - [562] Week 4 - [493]

Descending order: [893] > [562] > [493] > [231]

5 **Observe the sequences, circle whether we count on or back, and fill in the missing boxes. One has been done for you.**

a 912, 902, 892, [882]

To continue this sequence, we count on / (back) in [10s].

b 863, 866, 869, [872]

To continue this sequence, we count (on) / back in [2s].

6 Consider the following sequences.

a 151, 155, 159, ...

List the numbers that ends with 5 if the same sequence goes till 200.

155 175 195

b 321, 311, 301, ...

List the numbers that have 5 in the tens place if the same sequence continues till 20.

251 151 51

7 Mini rounded off 468 to 500. To which place did she round off?

Mini rounded off 468 to its 100s place.

8 Fill in the box with a number formed using the digits 5, 4, 8.

a The smallest 3-digit number which round to 460 to 10s is 458.

b The largest 3-digit number which round to 850 to 10s is 854.

Mental Maths

1 Compare the given numbers using >, =, or <.

a 325 > 235 b 708 < 808 c 153 < 235

d 666 > 656 e 282 < 828 f 490 > 409

2 Complete the sequences.

a 543, 553, 563, 573, 583 b 398, 399, 400, 401, 402

c 423, 523, 623, 723, 823 d 617, 627, 637, 647, 657

POST ACTIVITY- Solve the given Problems.

S.Teacher H.O.D. Co-Ordinator Principal