

Lesson-2

Concept of numbers from 100 to 500



Let us pick up some '*bogori*'s (a berry commonly found in Assam)

During recess Ram, Pushpa, Robi and Hema went near the *bogori* tree inside the school campus. They picked up the *bogori* which had fallen on the ground. Ram picked up 35, Pushpa picked up 26, Hema picked up 20 and Robi picked up 18 '*bogori*'s respectively.



Write the number of '*bogori*'s they picked up in ones and tens place

Number	Tens	Ones
35	3	5
26		
20		
18		

Write the numbers in words and in expanded form

Number	In words	Expanded form
35	Thirty five	$30 + 5$
26		
20		
18		

Write the numbers which come just before, just after and in the middle of the given numbers

before	between	after	before	between	after	before	between	after	before	between	after
	35			26		19		21	17		19

- Find the total number of '*bogori*'s picked up by Hema and Robi.

	Tens	Ones
Hema got		
Robi got		
Total		

- Find the total number of '*bogori*'s picked up by Ram and Puspa.

	Tens	Ones
Ram got		
Puspa got		
Total		

- What is the total number of '*bogori*'s ?

	Tens	Ones
Ram got		
Puspa got		
Hema got		
Robi got		
Total		

Who picked up the highest number of *bogoris* ?

Who picked up the least number of *bogoris* ?

What is the difference in the number of *bogoris* between them?

Add

$12 + 27 =$

$30 + 42 =$

$64 + 27 =$

$44 + 33 =$

$50 + 70 =$

$75 + 12 =$



Subtract

$$\begin{array}{rclclcl} 52 - 27 & = & \boxed{} & 64 - 33 & = & \boxed{} & 30 - 12 & = & \boxed{} \\ 70 - 50 & = & \boxed{} & 44 - 36 & = & \boxed{} & 85 - 41 & = & \boxed{} \end{array}$$

Arrange the following numbers in ascending order

27, 52, 33, 43, 48, 16
____, _____, _____, _____, _____, _____,

Let us write the numbers from 1 to 100 serially

1									
	15								
				47					
10									100

Let us look at even and odd numbers



One pair + One pair
= Two pairs
 $2 + 2 = 4$
(Even number)



One pair + One pair + one
= Two pairs and one
 $2 + 2 + 1 = 4 + 1 = 5$
(Odd number)

Let us know

Any number that has 0, 2, 4, 6, 8 in its ones place is an even number.

Any number that has 1, 3, 5, 7 or 9 in its ones place is an odd number.

Let us look at the following numbers and identify the odd and the even numbers

12, 8, 40, 29, 54, 35, 56, 60, 74, 79, 81, 93,
96, 85, 22, 39, 46, 17, 5, 27, 65, 77, 32,
23, 57, 42, 26, 67, 98, 100

Even numbers

8, 12

Odd numbers

29, 35

Let us count the gooseberry-



Ratan and Lily went to the garden to pick up gooseberry. Their mother would prepare gooseberry pickle. They picked up 100 gooseberries by counting them. As they could count only till 100, they asked their mother to help them in counting the gooseberries which were still to be picked up.

Let us find out how their mother helped them to count the gooseberries.



100 and



1

101

One hundred one



100 and



















2

102

One hundred two

Let us see how their mother helped them to count the gooseberries

							
100	and	3	.....	100	and	4	.....
.....						
							
100	and	5	.....	100	and	6	.....
.....						
							
100	and	7	.....	100	and	8	.....
.....						
							
100	and	9	.....	100	and	10	.....
.....						
				<div style="text-align: right;"> 110 One hundred ten </div>			

Instruction to the teachers: Encourage the students to learn how to count numbers beyond 100 using familiar objects (e.g sticks, seeds of fruits, leaves of trees etc.)

Look at the pictures. Count and write the number of the gooseberries



100 and



11

In numbers

111

In words

One hundred
eleven



100 and



13



100 and



21



100 and



27



100 and



36

Look at the pictures. Count and write the numbers of amlakhi



100



45

In numbers

In words



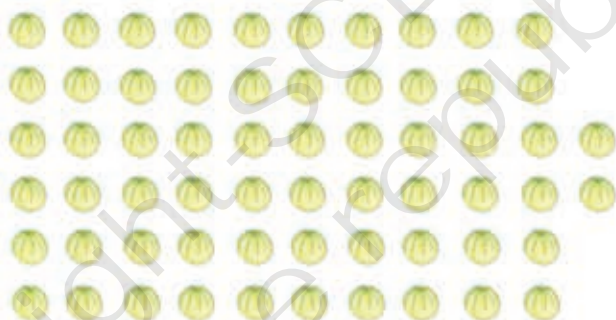
100



51



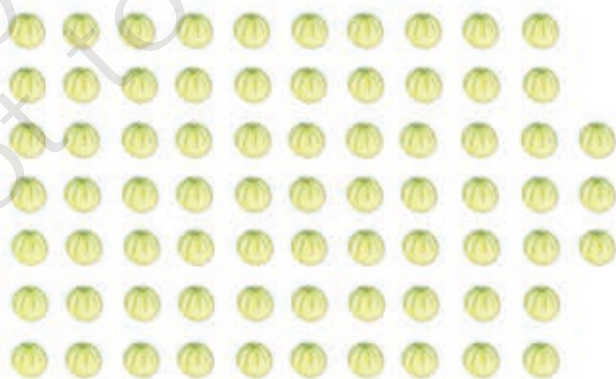
100



62



100



73

Let us count the bundles of 100, 10 and the loose sticks. Write the numbers in words and read them.



One hundred forty two

.....



One hundred fifty

.....



.....



.....



.....



.....

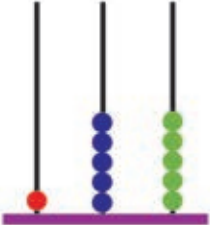




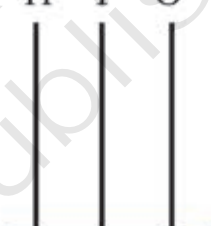


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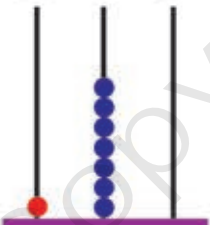
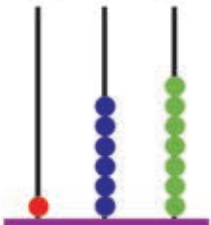
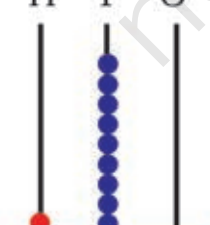
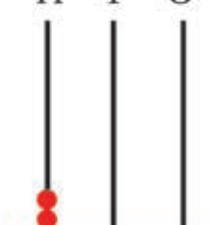


.....

Fill the bead sticks by drawing beads to show the given numbers

<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 20px;">155</div>	<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 20px;">158</div>
<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 20px;">161</div>	<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 20px;">171</div>
<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 20px;">180</div>	<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 20px;">200</div>

Write the numbers shown by the beads in the bead sticks

<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 20px;">170</div>	<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; width: 100px; height: 50px; margin-top: 20px;"></div>
<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; width: 100px; height: 50px; margin-top: 20px;"></div>	<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> HTO </div>  <div style="float: right; border: 1px solid black; width: 100px; height: 50px; margin-top: 20px;"></div>

Write what comes just before the given number

Before	After
	130

Before	After
	145

Before	After
	162

Before	After
	179

Write what comes just after the given number

Before	After
182	

Before	After
185	

Before	After
174	

Before	After
190	

Write what comes in between the two numbers

Before	Between	After
125		127

Before	Between	After
137		139

Before	Between	After
154		156

Before	Between	After
188		190

Circle the smallest number

135 140 (122) 132

145 148 152 162

170 180 169 179

Circle the biggest number

104 199 (200) 153

163 192 178 161

137 152 190 103

Write the following numbers in words

Number	In words
136	One hundred thirty six
148	
167	
172	
188	

Write the face value and the place value of the following numbers

Number	Face value	Place value
1(2)2	2	20
1 3(0)		
(1)4 8		
1 5(6)		
2(0)0		

Write the number for the following expanded form of numbers

$$100 + 70 + 3 = \underline{\quad 173 \quad}$$

$$100 + 0 + 5 = \underline{\hspace{2cm}}$$

$$100 + 80 + 7 = \underline{\hspace{2cm}}$$

$$100 + 10 + 1 = \underline{\hspace{2cm}}$$

$$100 + 50 + 2 = \underline{\hspace{2cm}}$$

$$100 + 20 + 2 = \underline{\hspace{2cm}}$$

Write the following numbers in expanded form

$$151 = \underline{\quad 100 \quad} + \underline{\quad 50 \quad} + \underline{\quad 1 \quad}$$

$$179 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$146 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$100 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$199 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$200 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

Put a tick (✓) on the even numbers



Put a tick (✓) on the odd numbers



Let us write the number names of the following numerals and express them as ones, tens and hundreds

Numeral	Number names	Hundreds	Tens	Ones
109	One hundred nine	1	0	9
135				
150				
143				
167				
178				
126				
134				
200				

Write the numbers from 101 to 200

101									
105									
									200

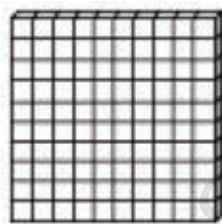
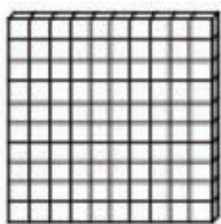
Let us count



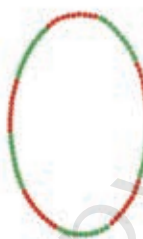
Two hundred one
rupees
₹ 201



Two hundred
fifteen sticks
215 sticks



Two hundred
twenty cubes
220 cubes



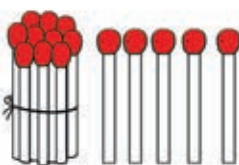
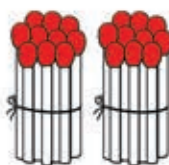
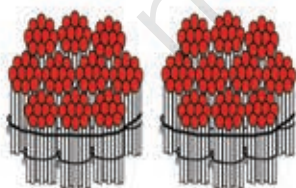
100 beads



100 beads



Two hundred
twenty eight beads
228 beads



Two hundred thirty
five match-sticks
235 match-sticks

Count and write



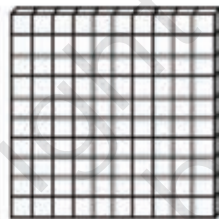
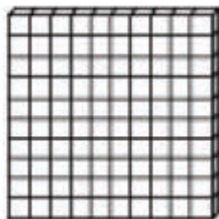
_____ rupees

₹ _____



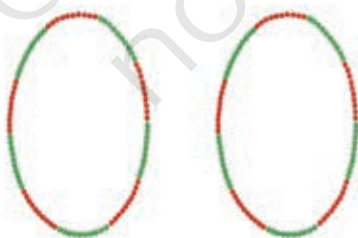
_____ sticks

_____ sticks



_____ cubes

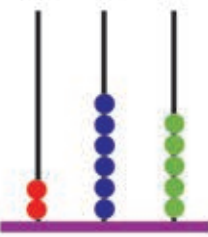
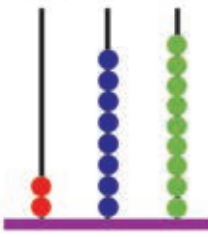
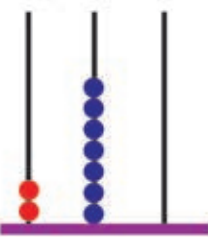
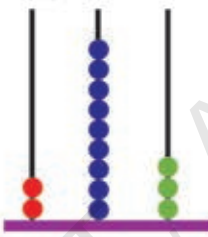
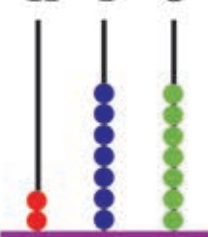
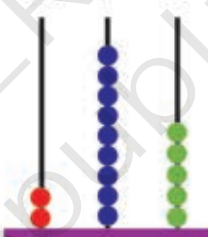
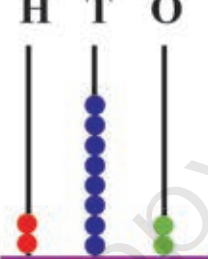
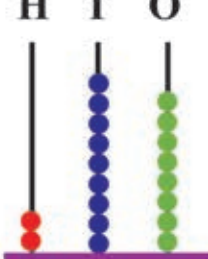
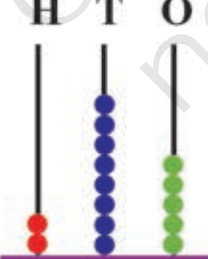
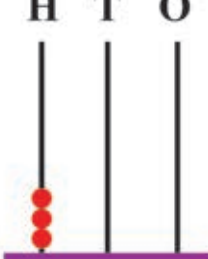
_____ cubes



_____ beads

_____ beads

Count the beads and write the number

<p>H T O</p>  <div> <p>Two hundred sixty five</p> <p>265</p> </div>	<p>H T O</p>  <div> <p></p> <p></p> </div>
<p>H T O</p>  <div> <p></p> <p></p> </div>	<p>H T O</p>  <div> <p></p> <p></p> </div>
<p>H T O</p>  <div> <p></p> <p></p> </div>	<p>H T O</p>  <div> <p></p> <p></p> </div>
<p>H T O</p>  <div> <p></p> <p></p> </div>	<p>H T O</p>  <div> <p></p> <p></p> </div>
<p>H T O</p>  <div> <p></p> <p></p> </div>	<p>H T O</p>  <div> <p>Three hundred</p> <p>300</p> </div>

Let us count on the numbers in tens and write

10	110	210	310	410
20		220		
	130		330	
		240		
50				
			360	
	170			470
		280		
100	200	300		500

Let us count on the numbers in twenties and write

120	220	320	420
140	240		
		360	
180			480
200	300		500

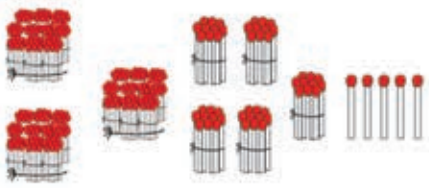
Write the numbers from 201 to 300

201									
205									
									300

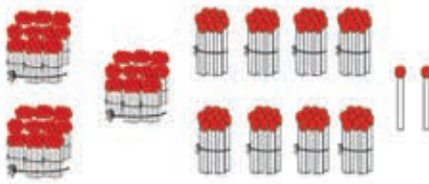
Let us write the numbers in words

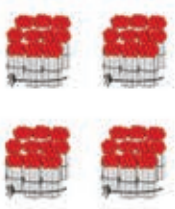
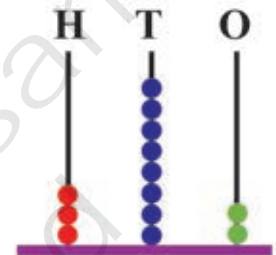
214	Two hundred fourteen	265	
230		275	
245		278	
250		283	
260		300	

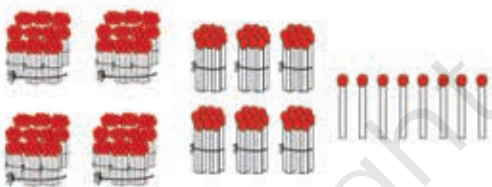
Let us count the bundles of hundreds, tens and the loose sticks and write. Now, read the numbers.

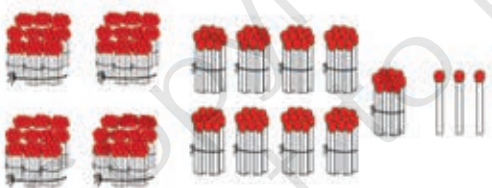


Three hundred fifty five
355













Write the numbers from 301 to 400

301									
		325						385	
310									400

Let us fill in the blanks

Number (in figures)	Number (in words)	Number (in figures)	Number (in words)
100	One hundred	371	.....
109	377	.....
110	389	.....
115	391	.....
190	400	Four hundred
---	Two hundred two	401	.....
207	404	.....
211	---	Four hundred eight
221	---	Four hundred nineteen
230	428	.....
249	---	Four hundred thirty
275	---	Four hundred forty four
299	---	Four hundred fifty
---	Three hundred three	455	.....
310	465	.....
320	469	.....
333	476	.....
339	481	.....
356	Three hundred fifty six	494	.....
365	500	Five hundred

Write the numbers for the following expanded form of numbers

$$300 + 20 + 1 = \boxed{321}$$

$$200 + 30 + 3 = \boxed{233}$$

$$200 + 40 + 5 = \boxed{}$$

$$300 + 30 + 9 = \boxed{}$$

$$200 + 40 + 0 = \boxed{}$$

$$300 + 60 + 5 = \boxed{}$$

$$200 + 50 + 7 = \boxed{}$$

$$300 + 70 + 8 = \boxed{}$$

$$200 + 60 + 2 = \boxed{}$$

$$300 + 80 + 6 = \boxed{}$$

$$200 + 80 + 4 = \boxed{}$$

Write the numbers in expanded form as per place value

$$201 = 200 + 0 + 1$$

.....

$$325 = \dots\dots\dots$$

$$343 = \dots\dots\dots$$

$$352 = \dots\dots\dots$$

$$369 = \dots\dots\dots$$

$$400 + \dots\dots\dots$$

$$434 + \dots\dots\dots$$

$$457 + \dots\dots\dots$$

$$493 + \dots\dots\dots$$

$$500 + \dots\dots\dots$$

Write the number names of the given numbers. Expand the numbers as hundreds, tens and ones

Numeral	Number name	Hundreds	Tens	Ones
201	Two hundred one	2	0	1
220				
344				
355				
368				
479				
486				
497				
500				

Write what comes just before the given number

before	after
	240

before	after
	250

before	after
	355

before	after
	365

before	after
	387

before	after
	400

before	after
	444

before	after
	500

Write what comes just after the given number

before	after
269	

before	after
285	

before	after
299	

before	after
340	

before	after
409	

before	after
464	

before	after
489	

before	after
499	

Write what comes in between the two numbers

before	between	after
245		247

before	between	after
250		252

before	between	after
269		271

before	between	after
309		311

before	between	after
350		352

before	between	after
369		371

before	between	after
445		447

before	between	after
460		462

before	between	after
498		500

Circle the bigger number

235 (240)

322 432

345 248

452 262

370 380

469 379

477 500

299 300

Circle the smaller number

225 (214)

320 400

315 347

252 260

340 360

479 407

444 413

409 402

Circle the biggest number and put a tick (✓) on the smallest number in each of the following set

436 451 112 (472) 337

418 324 336 448 152

376 488 500 300 428

421 342 232 432 103

390 468 350 276 230

238 419 284 209 290

Write the numbers from 401 to 500

401									
		423							
						466			
			440						500

Fill in the blanks with numbers

Counting on in 3's

200 203 206 215 224

Counting on in 4's

340 344 352 372

Counting on in 5's

340 345 350 360 380

Counting on in 6's

409 415 421 433 457

Observe the pattern in each row and complete the same.

(a) 240 245 250

(b) 315 330 345

(c) 300 305 310

(d) 200 215 230

(e) 400 410 420

Circle the even numbers

415 424 462 477 408 483
496 497 455 464 489 451

Circle the odd numbers

222 231 348 356 435 450
343 438 471 490 389 457

Arrange the numbers in each of the following box in ascending order

224 477 387
225 345
_____, _____, _____, _____, _____

490 245 269
332 455
_____, _____, _____, _____, _____

Arrange the numbers in each of the following box in descending order

320 190 200
480 280
_____, _____, _____, _____, _____

377 270 177
344 444
_____, _____, _____, _____, _____