



Prepared by : Ms. Mohsina.

L. NO 6 : Adding Numbers up to 999 Using Tools.

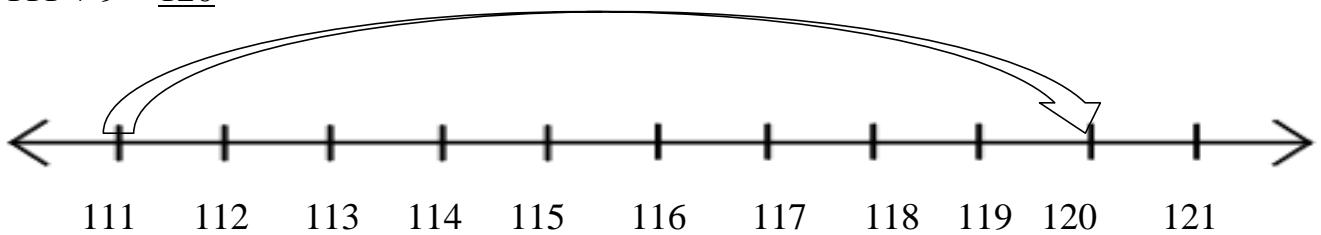
Pre-activity :-

Complete Let's Begin and Tuning In. Pg no 131-132.

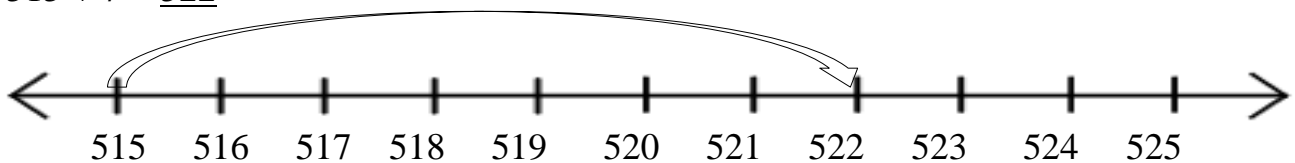
### I. 6.1 Adding numbers up to 999 using number line.

Q. Add the following using number line.

a.  $111 + 9 = \underline{120}$



b.  $515 + 7 = \underline{522}$



### II. 6.2 Add vertically.

- Addends are the numbers that we add together to get a sum.

	H	T	O	
	4	1	7	→ Addends
+	4	7	1	
	8	8	8	→ Sum

- The sum of two numbers does not change when the order of addends is changed.
- Steps to add vertically –
  1. Add the ones. (If required regroup)
  2. Add the tens. (If required regroup)
  3. Add the hundreds.

Q. Add the following vertically.

	H	T	O
	5	7	3
+	4	1	4
	9	8	7

	H	T	O
	2	4	6
+	2	4	3
	4	8	9

	H	T	O
		1	
	4	1	2
+	1	0	9
	5	2	1

	H	T	O
	1	1	
	2	8	7
+	1	9	5
	4	8	2

	H	T	O
	1	1	
	3	6	9
+		4	6
	4	1	5

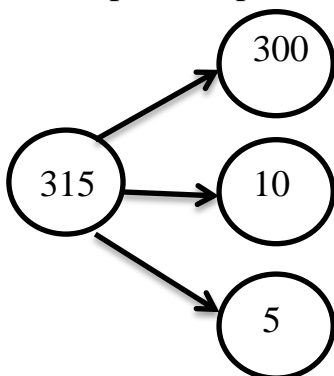
	H	T	O
	1	1	
	6	3	6
+		9	8
	7	3	4

### III. 6.3 Adding numbers up to 999 using number bonds. (Without regrouping)

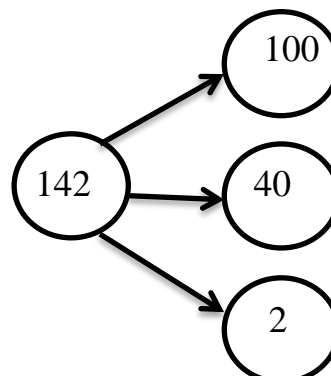
Q. Add the numbers using number bonds.

a.  $315 + 142 = 457$ .

Ans – Step 1 – Expand the addends in hundreds, tens and ones.



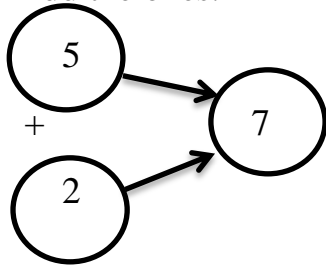
$315 = 300 + 10 + 5$



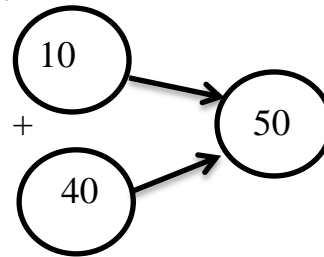
$142 = 100 + 40 + 2$

Step 2

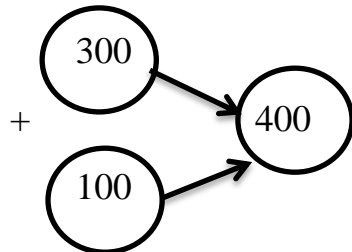
Add the ones.



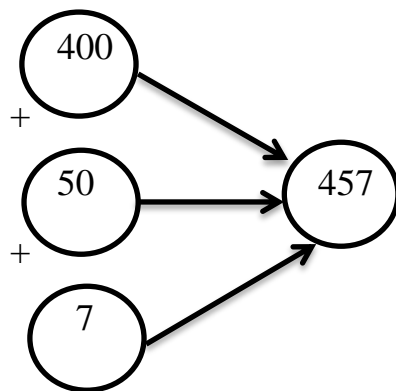
Add tens.



Add Hundreds.



Step 3 – Add all the hundreds, tens and ones together.



$$400 + 50 + 7 = \underline{457}$$

\*Practice sums – CW/HW

Q. Solve using number bonds.

a.  $354 + 221 = \underline{\hspace{2cm}}$

b.  $707 + 151 = \underline{\hspace{2cm}}$

c.  $115 + 413 = \underline{\hspace{2cm}}$

#### **IV. 6.4 Addition Properties.**

##### **1. Commutative Property:-**

Changing the order of addends does not change the sum.

$$\text{Ex} - 400 + 300 = \underline{700} \quad \text{OR} \quad 300 + 400 = \underline{700}$$

##### **2. Zero Property:-**

If we add zero to any number the sum is the number itself.

$$\text{Ex} - 101 + 0 = \underline{101}$$

##### **3. Property of 1:-**

When we add 1 to a number, we get the next number.

$$\text{Ex} - 784 + 1 = \underline{785}$$

Q. Use the addition properties and fill in the blanks.

a.  $34 + 43 = 43 + \underline{32}$

b.  $592 + 0 = \underline{592}$

c.  $780 + 1 = \underline{781}$

d.  $100 + 50 = \underline{150}$  OR  $50 + 100 = \underline{150}$

##### **\*Post Activity:-**

Complete Blooming Questions of pg no 166, 167 and 168.

**Subject Tr's. Sign**

**HOD's Sign**

**Co-ordinator's Sign**

**Principal's Sign**