

STD-II
MATHS
NOTES
(2024-2025)

TERM-I

Numerals :501 – 550

501		511		521		531		541
502		512		522		532		542
503		513		523		533		543
504		514		524		534		544
505		515		525		535		545
506		516		526		536		546
507		517		527		537		547
508		518		528		538		548
509		519		529		539		549
510		520		530		540		550

Write number names for the following numerals:

501 – Five hundred one

502 - Five hundred two

503 – Five hundred three

504 – Five hundred four

505 – Five hundred five

506 – Five hundred six

507 – Five hundred seven

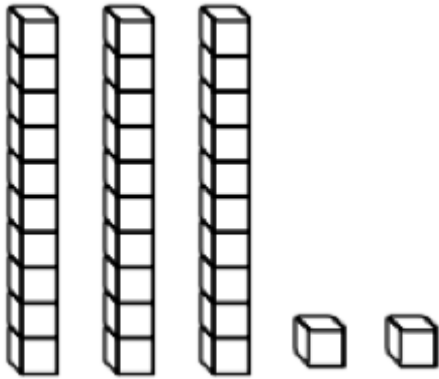
508 – Five hundred eight

509 – Five hundred nine

510 – Five hundred ten

Ch-1:A Day at the Beach

I. Place value:



3 tens + 2 ones

$$30 + 2 = 32$$

II. Fill in the blanks with more or less:

- 1) 97 chocolates are more than 45 chocolates.
- 2) 78 beads are less than 90 beads.
- 3) 35 apples are less than 53 apples.

III. Draw ○ - tens and △ - ones:

1) $20 + 3$ - ○ ○ △ △ △

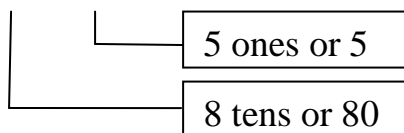
2) $50 + 2$ - ○ ○ ○ ○ ○ △ △

IV. Write the place value of the digits:

T O

8

5



V. Write the numbers in expanded form:

a) $43 = \underline{4}$ Tens + $\underline{3}$ Ones = $\underline{40} + \underline{3}$

b) $76 = \underline{7}$ Tens + $\underline{6}$ Ones = $\underline{70} + \underline{6}$

c) $99 = \underline{9}$ Tens + $\underline{9}$ Ones = $\underline{90} + \underline{9}$

VI. Who am I?

a) I am the largest two-digit number, my digits are repeated - 99

b) I am the smallest two-digit number with 5 at the tens place - 50

c) I am the largest two-digit number with 2 at the ones place - 92

Numerals : 551 – 600

551		561		571		581		591
552		562		572		582		592
553		563		573		583		593
554		564		574		584		594
555		565		575		585		595
556		566		576		586		596
557		567		577		587		597
558		568		578		588		598
559		569		579		589		599
560		570		580		590		600

Write number names for the following numerals:

511 – Five hundred eleven

512 – Five hundred twelve

513 – Five hundred thirteen

514 – Five hundred fourteen

515 – Five hundred fifteen

516 – Five hundred sixteen

517 – Five hundred seventeen

518 – Five hundred eighteen

519 – Five hundred nineteen

520 - Five hundred twenty

Ch-3: Fun with Numbers



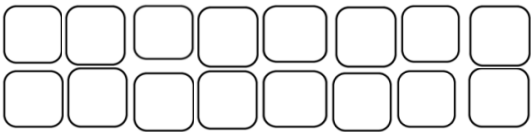



I. Patterns in numbers:

- a) 2 , 4 , 6 , 8 , 10, 12
b) 24 , 27 , 30 , 33 , 36 , 39
c) 11 , 13 , 15 , 17 , 19

II. Fill in the blanks:

- a) 20 comes just before 21.
b) 44 comes just before 45.
c) 80 comes after 79.
d) 90 comes after 89.

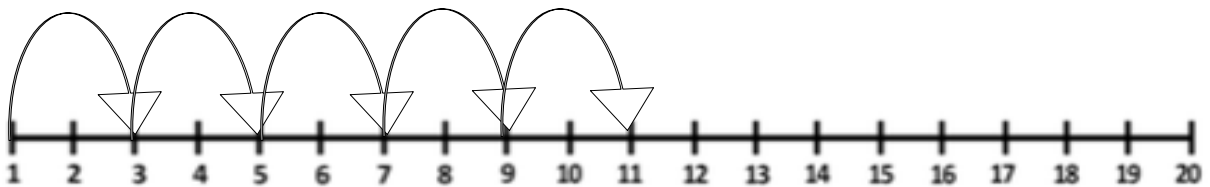
III. Complete the patterns:

- a)   
 4 8 16
- b)   
 1 3 5

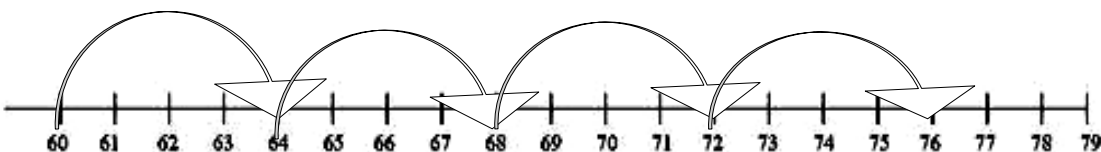
IV. Complete the following patterns:

a) Jump forward:

- i) 1, 3, 5, 7, 9, 11

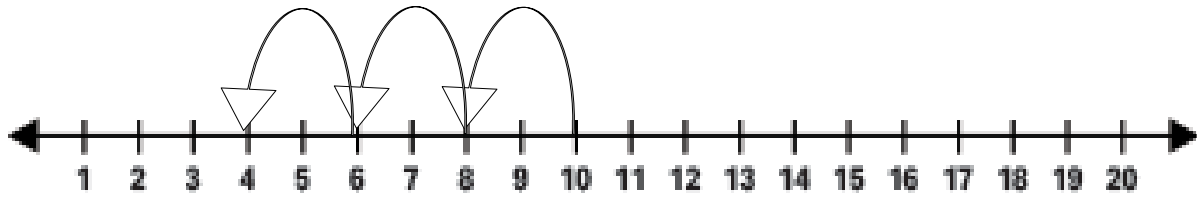


- ii) 60, 64, 68, 72, 76

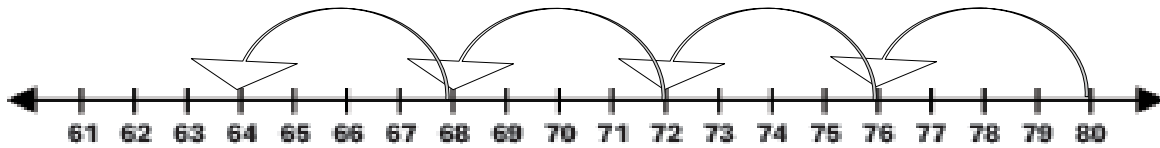


b) Jump backward:

i) 10, 8, 6, 4



ii) 80, 76, 72, 68, 64



Write number names for the following numerals :

521 – Five hundred twenty one

522 – Five hundred twenty two

523 – Five hundred twenty three

524 – Five hundred twenty four

525 – Five hundred twenty five

526 – Five hundred twenty six

527 – Five hundred twenty seven

528 – Five hundred twenty eight

529 – Five hundred twenty nine

530 – Five hundred thirty

531 - Five hundred thirty one

532 - Five hundred thirty two

533 - Five hundred thirty three

534 - Five hundred thirty four

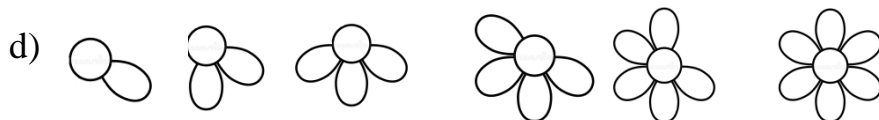
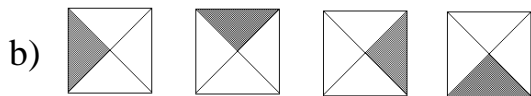
535 - Five hundred thirty five

Ch-4:Shadow Story

Patterns

Things that are arranged following a rule or rules.

I. Patterns in shapes:



II. Pattern in words:

1. RED , BLUE , GREEN , RED , BLUE , GREEN

2. YELLOW, BLUE , RED , YELLOW , BLUE , RED

III. Patterns:

a) 2 , 4 , 6 , 8 , 10, 12

b) 24 , 27 , 30 , 33 , 36 , 39

c) 11 , 13 , 15 , 17 , 19

d) ABC, DEF, GHI, JKL, MNO

e) GH,HI, IJ, JK, KL

Numerals (601-650)

601		611		621		631		641
602		612		622		632		642
603		613		623		633		643
604		614		624		634		644
605		615		625		635		645
606		616		626		636		646
607		617		627		637		647
608		618		628		638		648
609		619		629		639		649
610		620		630		640		650

Write number names for the following numerals :

536 – Five hundred thirty six

537 – Five hundred thirty seven

538 – Five hundred thirty eight

539 – Five hundred thirty nine

540 – Five hundred forty

541 – Five hundred forty one

542 – Five hundred forty two

543 – Five hundred forty three

544 - Five hundred forty four

545– Five hundred forty five

546 – Five hundred forty six

547 – Five hundred forty seven

548 – Five hundred forty eight

549 – Five hundred forty nine

550 – Five hundred fifty

Ch-2: Shapes Around Us

A) Basic shapes:

Square

A square has 4 sides and 4 corners. All 4 sides are equal.



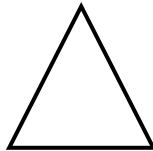
Rectangle

A rectangle has 4 sides and 4 corners. The opposite sides of a rectangle are equal in length.



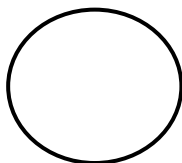
Triangle

A triangle has 3 sides and 3 corners. Its sides may or may not be of same length.

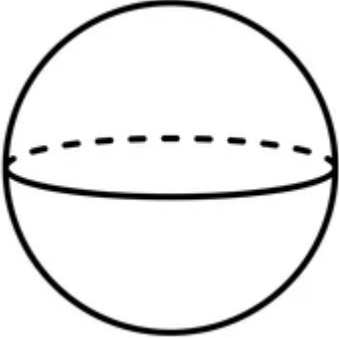
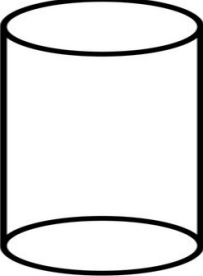
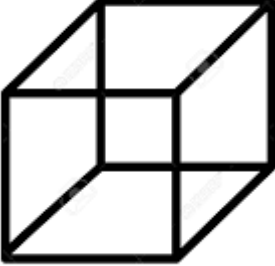
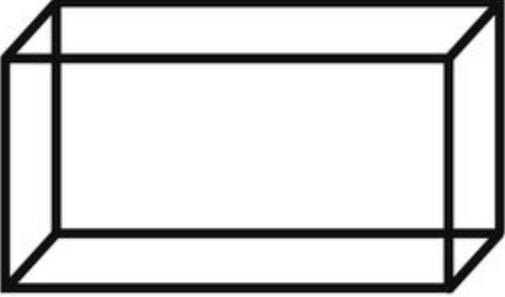
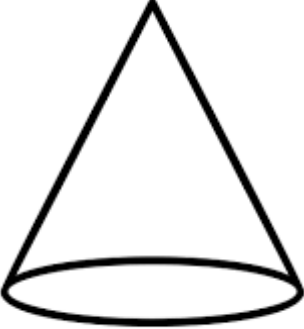


Circle

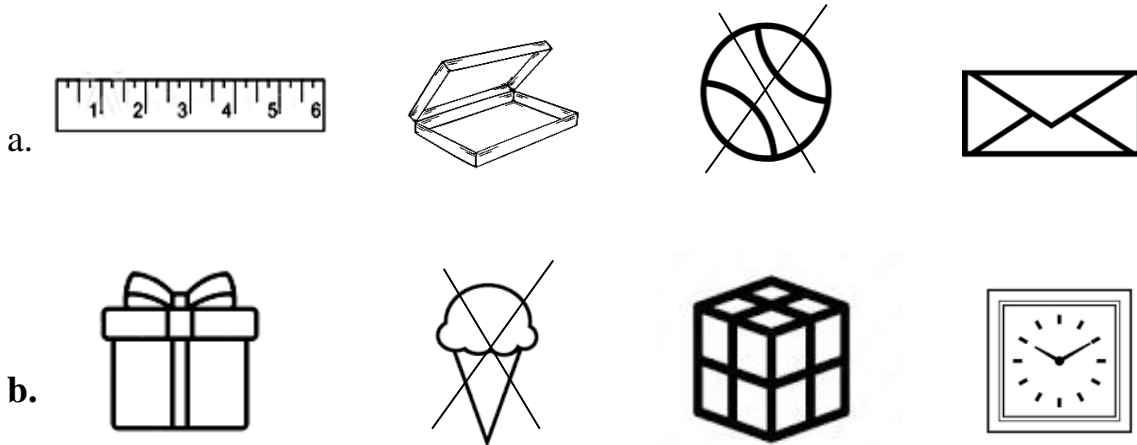
A circle has no sides and no corners.



B) Solid shapes:

	<p>Sphere</p>
	<p>Cylinder</p>
	<p>Cube</p>
	<p>Cuboid</p>
	<p>Cone</p>

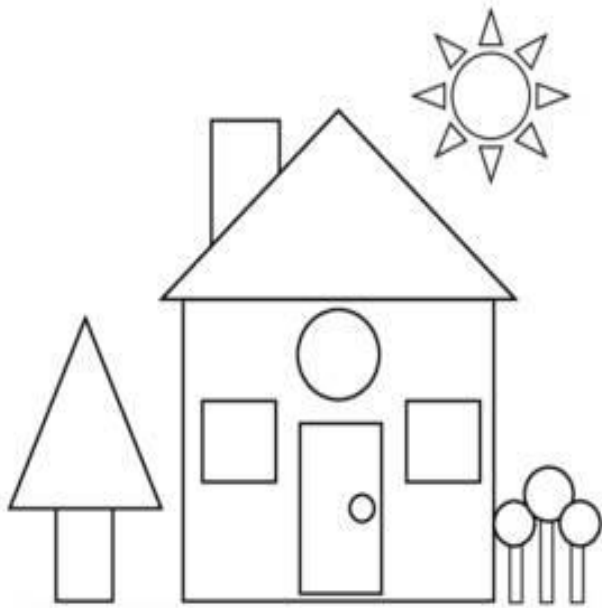
C) Cross the odd one out:



D) Write the faces, edges, corners for the given object:

Object	I look like	Faces	Edges	Corners
Dice 	Cube	6	8	12
 Pencil box	Cuboid	6	12	8
Coin 	Circle	2	No	No
Ball 	Sphere	No	No	No
Drum 	Cylinder	3	2	No
Ice-cream cone 	Cone	2	1	No

E) Draw a house and count the number of shapes:



Number of :

squares – 2

rectangles – 7

circles – 6

triangles - 10

Ch – 5: Playing with Lines

Straight lines and curved lines

Squares, Rectangles and Triangles are made of straight lines.

Circles are made of curved line.



Straight line



Curved line

Standing, sleeping and slanting lines

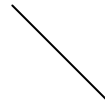
A straight line can be a standing line, sleeping line or a slanting line .



Standing line



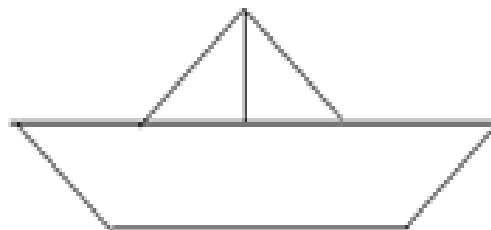
Sleeping line



Slanting line

Problem:

1. Count the number of sleeping lines, slanting lines and standing lines in the given figure.

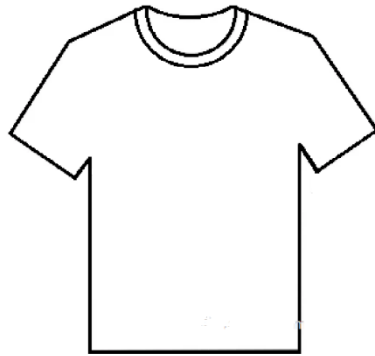


Number of sleeping lines - 2

Number of slanting lines - 4

Number of standing lines - 1

2. Count the number of sleeping lines ,slanting lines, standing lines and curved lines in the given figure.



Number of sleeping lines - 1

Number of slanting lines - 8

Number of standing lines - 2

Number of curved lines - 3

Number of straight lines - 1

Numerals (651-700)

651		661		671		681		691
652		662		672		682		692
653		663		673		683		693
654		664		674		684		694
655		665		675		685		695
656		666		676		686		696
657		667		677		687		697
658		668		678		688		698
659		669		679		689		699
660		670		680		690		700

Write number names for the following numerals :

551 – Five hundred fifty one

552- Five hundred fifty two

553-Five hundred fifty three

554 –Five hundred fifty four

555-Five hundred fifty five

556-Five hundred fifty six

557-Five hundred fifty seven

558 –Five hundred fifty eight

559- Five hundred fifty nine

560 –Five hundred sixty

561 –Five hundred sixty one

562 –Five hundred sixty two

563 –Five hundred sixty three

564 –Five hundred sixty fou

565 -Five hundred sixty five

566 – Five hundred sixty six

567 – Five hundred sixty seven

568 –Five hundred sixty eight

569 –Five hundred sixty nine

570 –Five hundred seventy.

Ch - 6 : Decoration for Festival

A) Addition:

- When we put things together we 'add' them.
 - The answer is called the 'sum'

$$\begin{array}{r} 5 \\ + 2 \\ \hline 7 \end{array}$$

Sum \longrightarrow

- When 1 is added to a number we get the next number as the answer.

Example: $20 + 1 = 21$

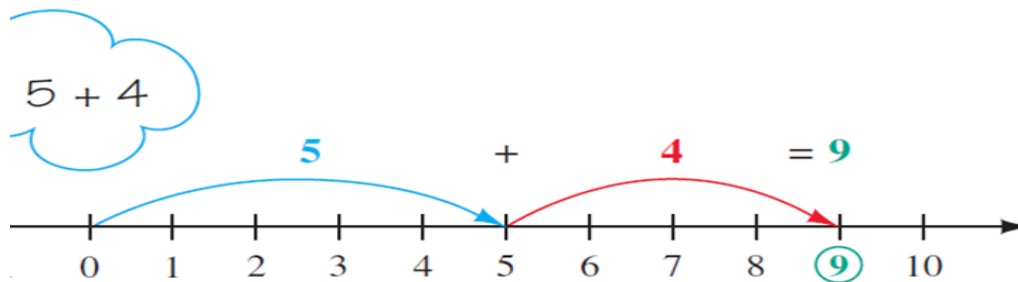
$$1 + 4 = 5$$

- When zero is added to a number we get the same number as the answer.

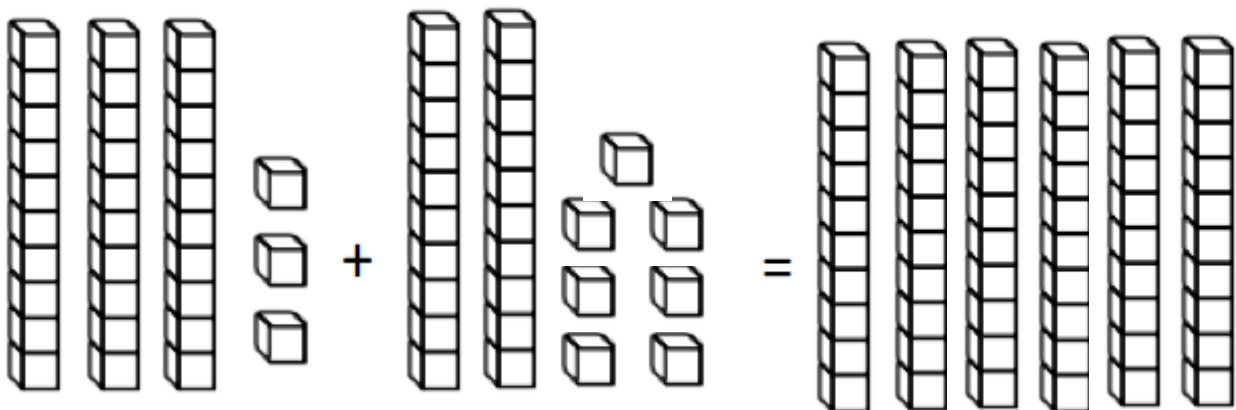
Example : $23 + 0 = 23$

$$0 + 9 = 9$$

I. Add with the help of the number line:



II. Find the total number of blocks:



3 tens 3 ones

and

2 tens 7 ones

=

33 + 27 = 60

III. Add the following numbers (without regrouping):

a) $13 + 24$

	T	O
	1	3
	2	4
+	3	7

b) $65 + 23$

	T	O
	6	5
	2	3
+	8	8

IV. Add the following numbers (with regrouping):

a) $53 + 39$

	T	O
	1	
	5	3
	3	9
+	9	2

b) $23 + 17$

	T	O
	1	
	2	3
	1	7
+	4	0

V. Word problem :

a) Ramya collected 54 red marbles and 24 blue marbles. How many total marbles does she have now?

Ans : Number of red marbles	=	
Number of blue marbles	=	+
Total marbles	=	

T	O
5	4
2	4
7	8

b) There are 49 men and 38 women in a hall. How many people are there in the hall?

Ans : Number of men

Number of women

Total

T	O
1	
4	9
3	8
8	7

= 17

B. Subtraction:

a) When we subtract, we “take away” or “minus” to find out how much is left.

The answer in subtraction is called “difference”.

b) **Subtraction of zero:**

When “0” is subtracted from a number , we get the same number as the answer.

Example: $15 - 0 = 15$

c) **Subtraction of one:**

When “1” is subtracted from a number, we get the number before it as the answer.

Example: $55 - 1 = 54$

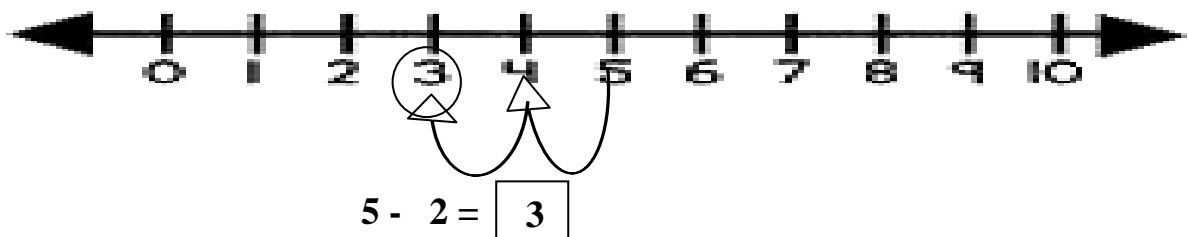
d) **Subtraction of the same number:**

When we subtract a number by itself , we get zero as the answer.

Example: $12 - 12 = 0$

I. Subtraction using number line:

a) $5 - 2$



II. Subtract without regrouping:

a) Subtract 4 from 59

	T	O
	5	9
-		4
	5	5

b) Subtract 68 from 99

	T	O
	9	9
-	6	8
	3	1

III. Subtract with regrouping:

a) Subtract 38 from 46

	T	O
	3 4	6 16
-	3	8
	0	8

b) Subtract 86 from 92

	T	O
	8 9	2 12
-	8	6
	0	6

IV. Connecting subtraction with addition:

a $4 + \underline{8} = 12$
 $12 - 4 = \underline{8}$

b $7 + \underline{12} = 19$
 $19 - 7 = \underline{12}$

c $14 + \underline{6} = 20$
 $20 - 14 = \underline{6}$

d $9 + \underline{9} = 18$
 $18 - 9 = \underline{9}$

V. Word problem:

1) Banu made 89 dolls. She sold 36 dolls. How many dolls are left?

Ans:

Total number of dolls =

Number of dolls sold =

Number of dolls left =

=

=

=

	T	O
	8	9
-	3	6
	5	3

2) Raja had 53 balloons. 28 balloons got burst. How many balloons are left?

Ans:

Total number of balloons =

Number of balloons burst =

Number of balloons left =

T	O
4	13
5	8
2	8
2	5

Numerals (701-750)

701	711	721	731	741
702	712	722	732	742
703	713	723	733	743
704	714	724	734	744
705	715	725	735	745
706	716	726	736	746
707	717	727	737	747
708	718	728	738	748
709	719	729	739	749
710	720	730	740	750

TERM-II

Numerals :751 to 800

751	761	771	781	791
752	762	772	782	792
753	763	773	783	793
754	764	774	784	794
755	765	775	785	795
756	766	776	786	796
757	767	777	787	797
758	768	778	788	798
759	769	779	789	799
760	770	780	790	800

Write number names for the following numerals:

592 – Five hundred ninety two

608 – Six hundred eight

615 – Six hundred fifteen

624 – Six hundred twenty four

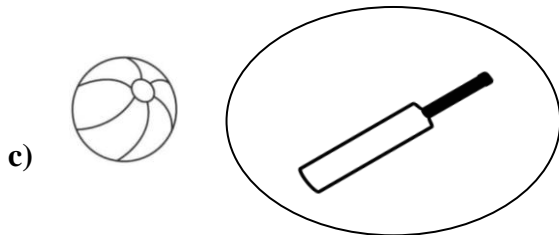
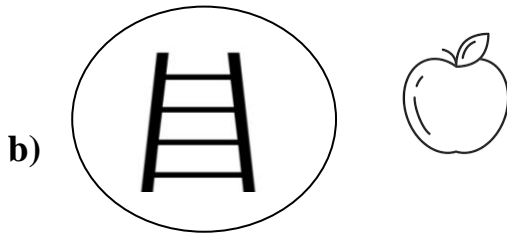
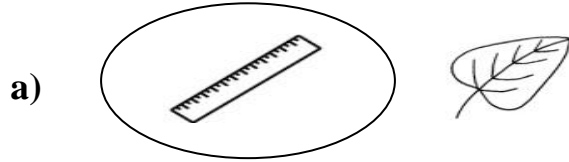
637 – Six hundred thirty seven

649 – Six hundred forty nine

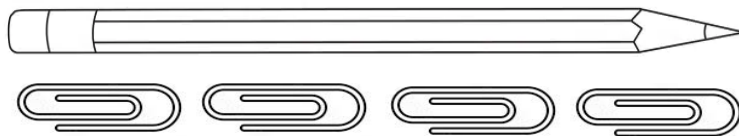
Ch -7:Rani's Gift

A) Length

I. Circle the longest objects:



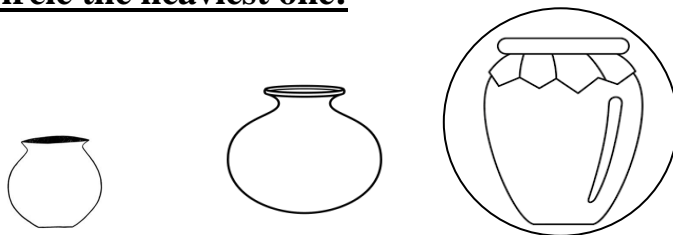
II. Use paper clips to measure the length of the given object:



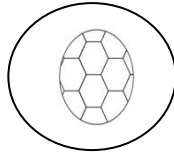
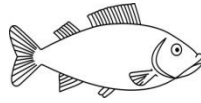
The length of the pencil is about _ **4** _ paper clips long.

B) Weight

I. Circle the heaviest one:



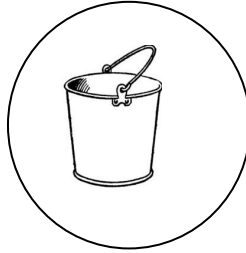
II. Circle the lightest one:



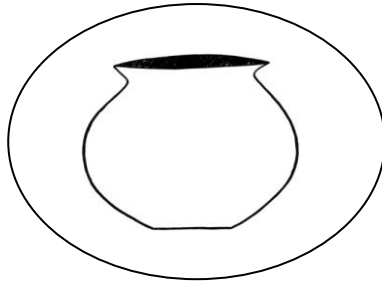
C) Capacity


I. Circle the vessel which holds more water:



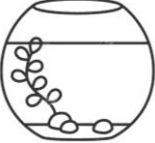
a)



b)



II. How many glass () of water each vessel holds ?

S.No	OBJECTS	NO OF GLASSES
1.		2
2.		6
3.		4

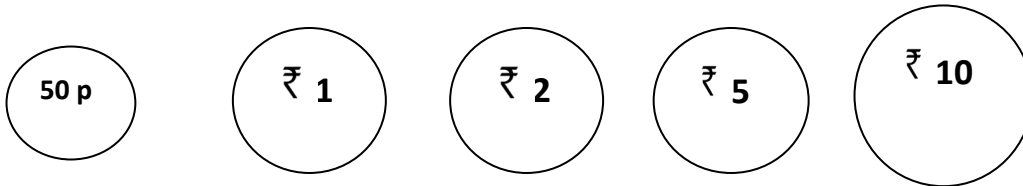
Ch-10: Fun at the Fair

I. Notes:

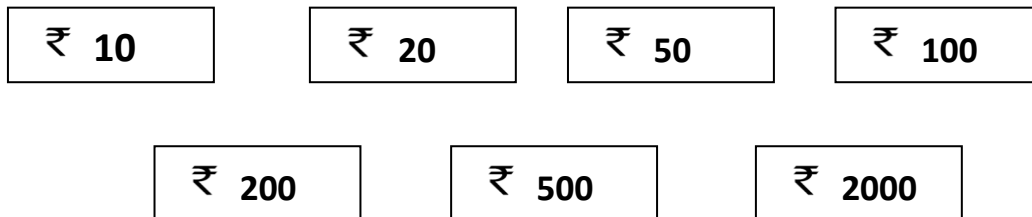
The symbol of Rupees - ₹

$$100 \text{ paise} = ₹ 1$$

Currency - Coins

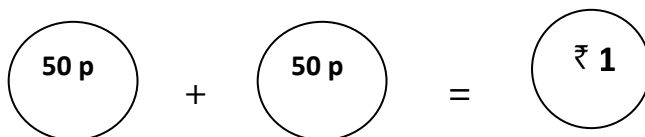


Currency - Notes

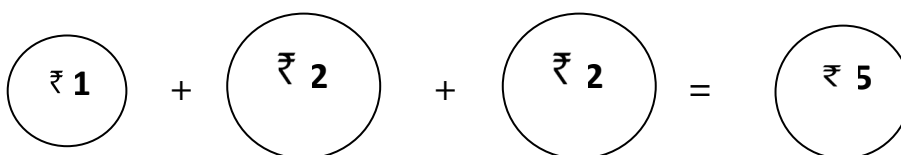


II. Money Exchange:

a) A one rupee coin can be exchanged with two 50 paise coins



b) A five rupee coin can be exchanged with one ₹ 1 coin and two ₹ 2 coins.



III. Adding money:

a) ₹ 45 + 37

	T	0
	1	
	4	5
+	3	7
₹	8	2

b) ₹ 24 + 30

	T	0
	2	4
+	3	0
₹	5	4

IV. Subtracting money:

a) ₹ 54 - 30

	T	0
	5	4
-	3	0
₹	2	4

b) ₹ 43 - 29

	T	0
	3	13
-	4	9
₹	2	9
	1	4

V. Word problem :

a) Sunita has ₹ 10. Her mother gave her ₹ 50 as pocket money. How much does she have totally?

			₹	
Ans:		T	O	
Amount with Sunita	=	1	0	
Amount her mother gave	=	+	5 0	
Total amount	=		6 0	

Numerals :801 to 850

801	811	821	831	841
802	812	822	832	842
803	813	823	833	843
804	814	824	834	844
805	815	825	835	845
806	816	826	836	846
807	817	827	837	847
808	818	828	838	848
809	819	829	839	849
810	820	830	840	850

Numerals : 851 - 900

851	861	871	881	891
852	862	872	882	892
853	863	873	883	893
854	864	874	884	894
855	865	875	885	895
856	866	876	886	896
857	867	877	887	897
858	868	878	888	898
859	869	879	889	899
860	870	880	890	900

Write number names for the following numerals :

665 – Six hundred sixty five

678 – Six hundred seventy eight

689 – Six hundred eighty nine

699 – Six hundred ninety nine

700 – Seven hundred

Ch – 9 : Which Season is it?

A) Seasons in a year:

There are 5 seasons in a year. They are autumn, summer, spring , winter , monsoon.

B) Days of the week

There are seven days in a week.

They are ,

1. Monday
2. Tuesday
3. Wednesday
4. Thursday
5. Friday
6. Saturday
7. Sunday

C) Months of the year

There are 12 months in a year.

They are,

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

I. Fill in the blanks :

- a) 4 months have 30 days.
- b) February is the shortest month with 28 days.
- c) 7 months have 31 days.
- d) In a leap year, February has 29 days.
- e) The day that comes after Wednesday is Thursday.
- f) The first day of the week is Monday.

Notes:

1 day = 24 hours

1 week = 7 days

1 year = 12 months

1 year = 365 days

1 year = 52 weeks

1 leap year = 366 days

1 hour = 60 minutes

II. Look at the calendar and answer the following:

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1	2	3	3	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

a) On which day did the month begin ?

Ans: Monday.

b) Which day is the last day of the month ?

Ans: Wednesday.

c) What day is the 13th of this month ?

Ans: Sunday

d) When do we celebrate new year?

Ans: 1st January

e) How many Sundays are there in January?

Ans: 4 Sundays

D) Time



Notes:

- *There are 12 numbers on the face of a clock.
- *There are 2 hands on a clock.
- *The short hand is the hour hand.
- *The long hand is the minute hand.

I. Write the time in two ways.

a)



3:30

Half past three

b)

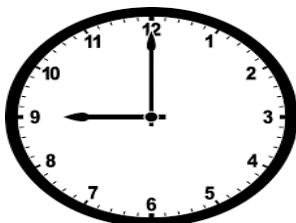


10:00

10 o' clock

II. Read the time and draw the arms of the clock.

a) 9:00



b) 6:30



CH-11: Data Handling

Problem :

The following information shows the list of animals in a zoo . Answer the following using the given information:

ANIMALS	NUMBER
ZEBRA	10
LION	2
TIGER	3
DEER	6
RABBIT	8
MONKEY	6
TOTAL	35

Answer the following :

a) Which animal is more in number ?

Ans: Zebra .

b) Name the animals that are same in number ?

Ans: Deer and Monkey.

c) Which animal is least in number ?

Ans: Lion .

d) How many animals are there in all ?

Ans: 35.

Numerals: 901 to 950

901	911	921	931	941
902	912	922	932	942
903	913	923	933	943
904	914	924	934	944
905	915	925	935	945
906	916	926	936	946
907	917	927	937	947
908	918	928	938	948
909	919	929	939	949
910	920	930	940	950

Numerals: 951 to 1000

951	961	971	981	991
952	962	972	982	992
953	963	973	983	993
954	964	974	984	994
955	965	975	985	995
956	966	976	986	996
957	967	977	987	997
958	968	978	988	998
959	969	979	989	999
960	970	980	990	1000

Write number names for the following numerals:

749 – Seven hundred forty nine

795 – Seven hundred ninety five

855 – Eight hundred fifty five

890 – Eight hundred ninety

900 – Nine hundred

905 – Nine hundred five

915 – Nine hundred fifteen

924 – Nine hundred twenty four

940 – Nine hundred forty

943 – Nine hundred forty three

960 – Nine hundred sixty

968 – Nine hundred sixty eight

972 – Nine hundred seventy two

985 – Nine hundred eighty five

996 – Nine hundred ninety six

999 – Nine hundred ninety nine

1000- One thousand

Multiplication tables

0 – table

$0 \times 0 = 0$
 $0 \times 1 = 0$
 $0 \times 2 = 0$
 $0 \times 3 = 0$
 $0 \times 4 = 0$
 $0 \times 5 = 0$
 $0 \times 6 = 0$
 $0 \times 7 = 0$
 $0 \times 8 = 0$
 $0 \times 9 = 0$
 $0 \times 10 = 0$
 $0 \times 11 = 0$
 $0 \times 12 = 0$

1 – table

$1 \times 0 = 0$
 $1 \times 1 = 1$
 $1 \times 2 = 2$
 $1 \times 3 = 3$
 $1 \times 4 = 4$
 $1 \times 5 = 5$
 $1 \times 6 = 6$
 $1 \times 7 = 7$
 $1 \times 8 = 8$
 $1 \times 9 = 9$
 $1 \times 10 = 10$
 $1 \times 11 = 11$
 $1 \times 12 = 12$

2 – table

$2 \times 0 = 0$
 $2 \times 1 = 2$
 $2 \times 2 = 4$
 $2 \times 3 = 6$
 $2 \times 4 = 8$
 $2 \times 5 = 10$
 $2 \times 6 = 12$
 $2 \times 7 = 14$
 $2 \times 8 = 16$
 $2 \times 9 = 18$
 $2 \times 10 = 20$
 $2 \times 11 = 22$
 $2 \times 12 = 24$

3 – table

$3 \times 0 = 0$
 $3 \times 1 = 3$
 $3 \times 2 = 6$
 $3 \times 3 = 9$
 $3 \times 4 = 12$
 $3 \times 5 = 15$
 $3 \times 6 = 18$
 $3 \times 7 = 21$
 $3 \times 8 = 24$
 $3 \times 9 = 27$
 $3 \times 10 = 30$
 $3 \times 11 = 33$
 $3 \times 12 = 36$

4 – table

$4 \times 0 = 0$
 $4 \times 1 = 4$
 $4 \times 2 = 8$
 $4 \times 3 = 12$
 $4 \times 4 = 16$
 $4 \times 5 = 20$
 $4 \times 6 = 24$
 $4 \times 7 = 28$
 $4 \times 8 = 32$
 $4 \times 9 = 36$
 $4 \times 10 = 40$
 $4 \times 11 = 44$
 $4 \times 12 = 48$

5 – table

$5 \times 0 = 0$
 $5 \times 1 = 5$
 $5 \times 2 = 10$
 $5 \times 3 = 15$
 $5 \times 4 = 20$
 $5 \times 5 = 25$
 $5 \times 6 = 30$
 $5 \times 7 = 35$
 $5 \times 8 = 40$
 $5 \times 9 = 45$
 $5 \times 10 = 50$
 $5 \times 11 = 55$
 $5 \times 12 = 60$

6 – table

$6 \times 0 = 0$
 $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$
 $6 \times 4 = 24$
 $6 \times 5 = 30$
 $6 \times 6 = 36$
 $6 \times 7 = 42$
 $6 \times 8 = 48$
 $6 \times 9 = 54$
 $6 \times 10 = 60$
 $6 \times 11 = 66$
 $6 \times 12 = 72$

10 – table

$10 \times 0 = 0$
 $10 \times 1 = 10$
 $10 \times 2 = 20$
 $10 \times 3 = 30$
 $10 \times 4 = 40$
 $10 \times 5 = 50$
 $10 \times 6 = 60$
 $10 \times 7 = 70$
 $10 \times 8 = 80$
 $10 \times 9 = 90$
 $10 \times 10 = 100$
 $10 \times 11 = 110$
 $10 \times 12 = 120$

Ch-8: Grouping and Sharing

A) How many?

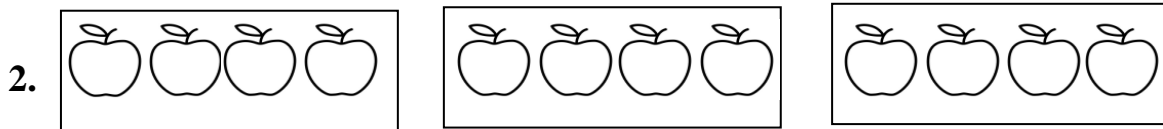


There are 2 groups.

2 groups of 3 balls

$$\underline{2} \times \underline{3} = \underline{6}$$

Total balls = 6



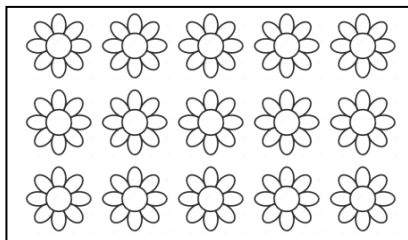
There are 3 groups.

3 groups of 4 apples

$$\underline{3} \times \underline{4} = \underline{12}$$

Total apples = 12

B) There are 15 flowers. Join 5 flowers to make a garland. How many garlands can we make?



We can make 3 garlands using 15 flowers.

Multiplication sums

I. Find the product of the following:

a)

	T	O
		3
X		2
		6

2 – table

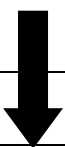
$$2 \times 0 = 0$$

$$2 \times 1 = 2$$

$$2 \times 2 = 4$$

$$2 \times 3 = 6$$

b)

	T	O
	1	
		7
X		2
	1	4

2 – table

$$2 \times 0 = 0$$

$$2 \times 1 = 2$$

$$2 \times 2 = 4$$

$$2 \times 3 = 6$$


$$2 \times 4 = 8$$

$$2 \times 5 = 10$$

$$2 \times 6 = 12$$

$$2 \times 7 = 14$$

c)

	T	O
	3	
		6
X		5
	3	0

5 – table

$$5 \times 0 = 0$$

$$5 \times 1 = 5$$

$$5 \times 2 = 10$$

$$5 \times 3 = 15$$

$$5 \times 4 = 20$$

$$5 \times 5 = 25$$

$$5 \times 6 = 30$$

d)

	T	O
2		0
3		3
6		0

X

3 – table

$$3 \times 0 = 0$$

$$3 \times 1 = 3$$

$$3 \times 2 = 6$$

e)

	T	O
1		2
4		4
8		8

X

4 – table

$$4 \times 0 = 0$$

$$4 \times 1 = 4$$

$$4 \times 2 = 8$$
