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Numeracy book -3

Level 3

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ACKNOWLEDGEMENT

This book is dedicated to my late mother Mrs. Parvathy to whom I owe everything I am today.

I extremely thank God for bestowing his blessings in all my endeavors and my husband, Ganesh without whose support this project would not have been a reality and finally, my three kids Archana, Anusha, and Sreeni whose inspiration and motivation saw the launch of "Learn any time anywhere" through Vaagakids.com.

I must also mention everyone who has been involved directly or indirectly in the making of Vaagakids.com. You have come through for me and 'Vaagakids.com' and for that you have my sincere thanks.

Preface

It is important that early learners have a strong foundation in mathematics. It forms an integral part of our life. A logical sequence of teaching material is essential to help the learners progress in the desired direction whilst nurturing 21st -century skills. This book aims at developing the Mathematics skills of the learners by moving step by step enabling learners to progress effectively. The concepts are explained with appropriate examples and colorful illustrations to make learning an exciting experience. This book aims at building the Numeracy skills and the confidence of the young learner.

<u>The objectives of this level are to assist learners to</u>

About this book -
It is a complete and easily understandable Mathematics book that consists of plenty of writing practice exercises to consolidate learning.

- This book is ideal for self-study
- It is suitable for teachers in classwork or even as reinforcement work.
- Another highlight of the book is the addition of square lines WHERE ever writing practice is required
- These books are available online and can be downloaded for free.
- The hard copy of the book is also available on order
- The book has a fresh-looking simple design.
- The pictures make it more appealing with lots of sums for practice.

The objectives of Level 3 are to assist learners to

- Recognize and write numbers [0-999]
- Sequencing numbers [0-999]
- Count backward [0-999]
- Create sets of objects and label them with the correct numeral
- Add to and from 20 using manipulatives and pictorially
- Subtract to and from 20 using manipulatives and objects given on paper.
- Subtract two sets of objects pictorially and write the answers.
- Demonstrate an understanding of place value and recognize tens and ones
- Recall & use multiplication facts for the 2, 5, 10 tables,
- Recognize and draw basic geometric shapes (circle, square, triangle, rectangle, oval, crescent, Star)
- Identify, copy, create these patterns
- Identity basic 2 d and 3 d shapes on paper and in real life
- Use nonstandard objects (pencils, blocks, and hands) to measure length, volume, and weight
- Compare measurements and correctly use [long/short, big/small, thick/thin, heavy/light]
- Demonstrate an understanding of positional relationships -[near / far , full / empty ,front / back, inside/ outside, on/under .)
- Demonstrate an understanding of pattern sequencing with pictures and numbers
- Demonstrate understanding of the Concept of the Calendar in terms of naming months of the year and days of the week in order and recognize the correct way to write the date
- Arrange numbers in descending and ascending order [0-999]
- Interpret simple data
- Tell time to the hour and the time of the daily routine activities
- Understand and write ordinal numbers [0-20]
- Understand basic fractions and be able to identify part of a whole and draw simple fractions.

Book Content - Numeracy -book3

Unit 1 – Numeration

1	2	3	4	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	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1		3	4		6	7		9	10
11		13		15		17		19	
21			24		26		28		30
		33		35		37			40
41		43		45		47			50

Practice 1-50

51		53		55		57			60
61		63			66			69	
	72		74			77	78		80
	83			86			88		90
91	92		94					98	100

Practice 50-100

Write 201- 300

Write the Number names in words and practice.

One	=	
Two	=	
Three	=	
Four	=	
Five	=	
Six	=	
Seven	=	
Eight	=	
Nine	=	
Ten	=	

	=	
	=	
	=	
	=	
	=	
	=	
	=	
	=	
	=	
	=	
	=	

Write the Number names in words and Practice.

Ten	=	10	
Twenty	=	20	
Thirty	=	30	
Forty	=	40	
Fifty	=	50	
Sixty	=	60	
Seventy	=	70	
Eighty	=	80	
Ninety	=	90	
Hundred	=	100	

Write the Number names in words and Practice.

Eleven	=	11	
Twelve	=	12	
Thirteen	=	13	
Fourteen	=	14	
Fifteen	=	15	
Sixteen	=	16	
Seventeen	=	17	
Eighteen	=	18	
Nineteen	=	19	
Twenty	=	20	

Write the numeral for the follow

Three Hundred and Seventy Two	=	372
six Hundered and Nineteen	=	
Four hundred and Twenty Three	=	
Eight Hundred and Eleven	=	
Seven Hundred andThirty Nine	=	
Two Hundered and Forty Seven	=	
Nine Hundred and One	=	
One hundred and Sixteen	=	
Four Hundred and fourteen	=	
Five Hundred and Nine	=	
Eight Hundred and Six	=	
Nine Hundred and Nine	=	

ing.

Write the number names of the following

46	=	
82	=	
37	=	
66	=	
0	=	
28	=	
51	=	
35	=	
17	=	
74	=	
93	=	
100	=	

Write the numeral for the following.

Seventy-Two	=	
Nineteen	=	
Twenty-Three	=	
Hundred	=	
Thirty-Nine	=	
Forty-Seven	=	
Eighty-Eight	=	
Sixty Four	=	
Thirteen	=	
Fifty Nine	=	
Forty-Six	=	
Sixty One	=	

Write the number name of the following .

647	=	Six Hundred and forty seven
201	=	
428	=	
406	=	
510	=	
749	=	
596	=	
111	=	
442	=	
916	=	
350	=	
237	=	

DRAW PICTURES FOR THE FOLLOWING NUMBERS.
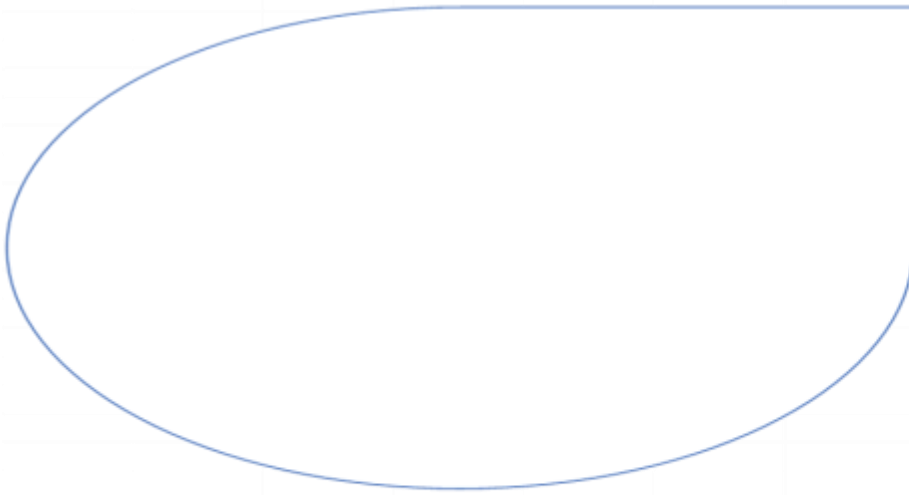
=   12

18

22

17

13

11

= 14

26

9
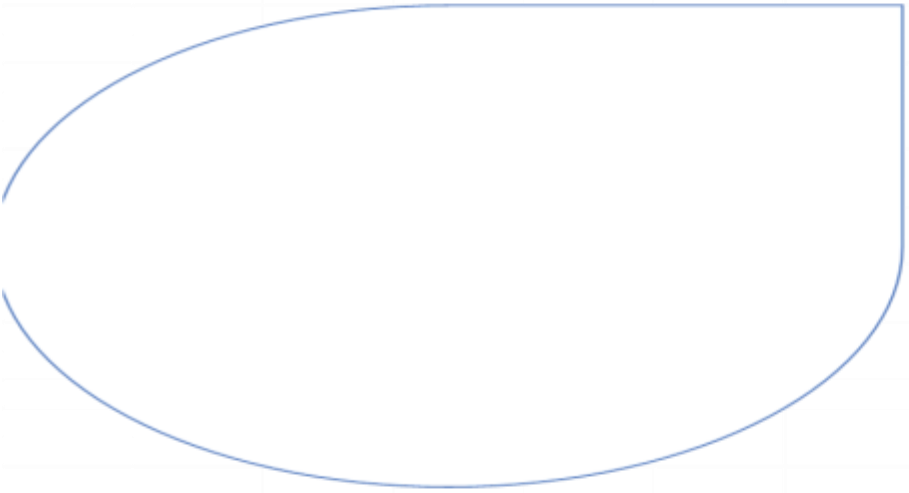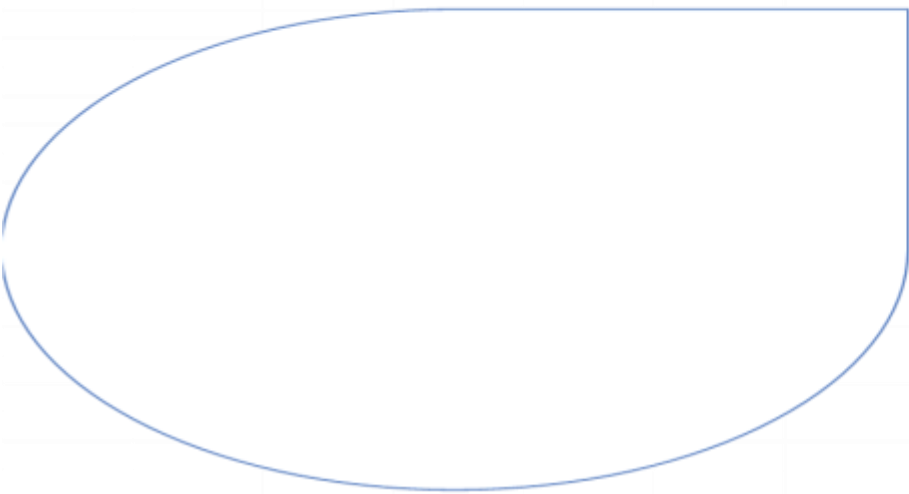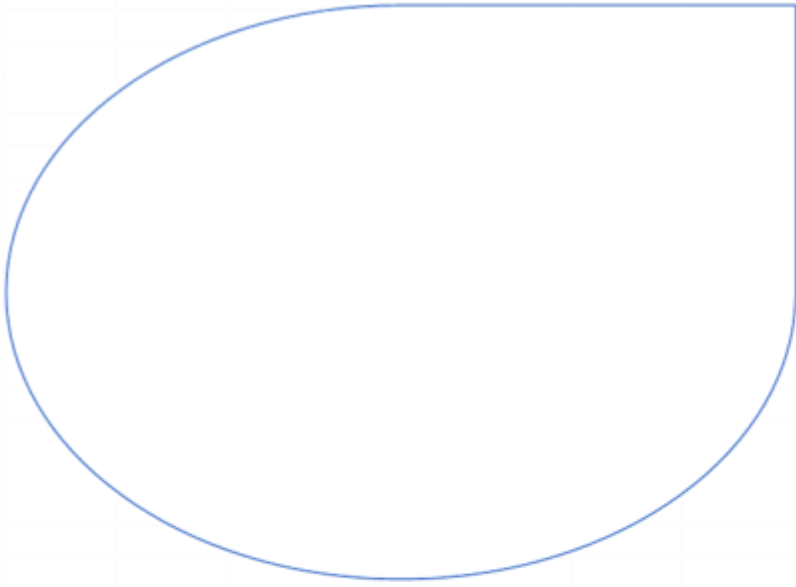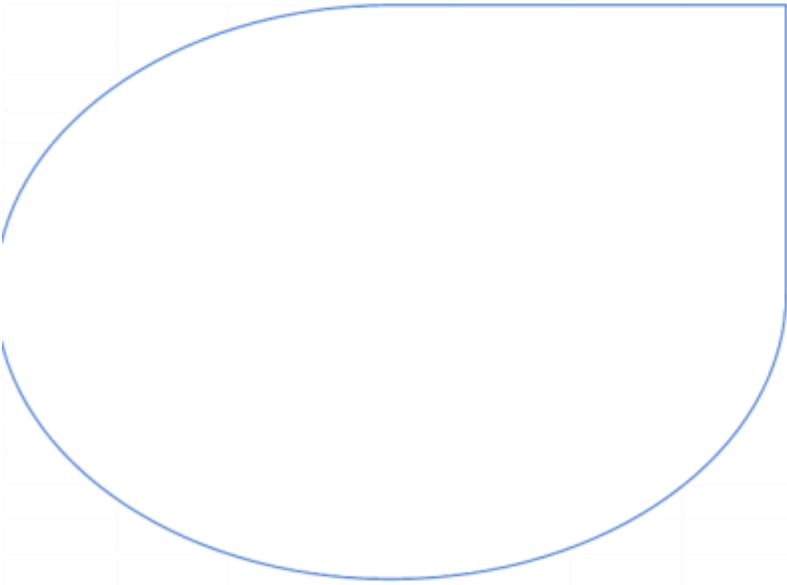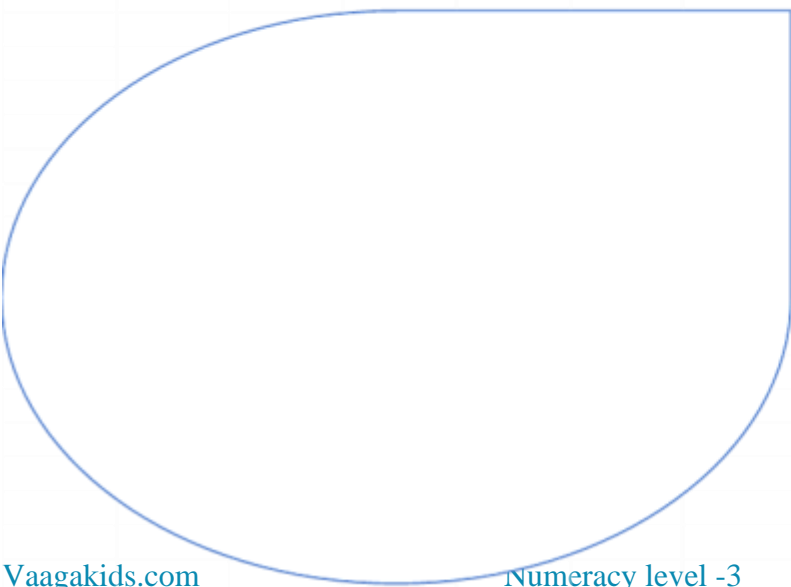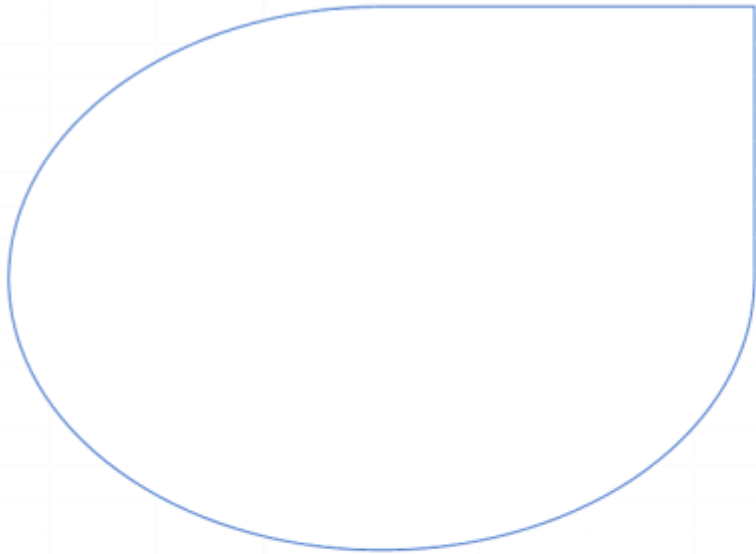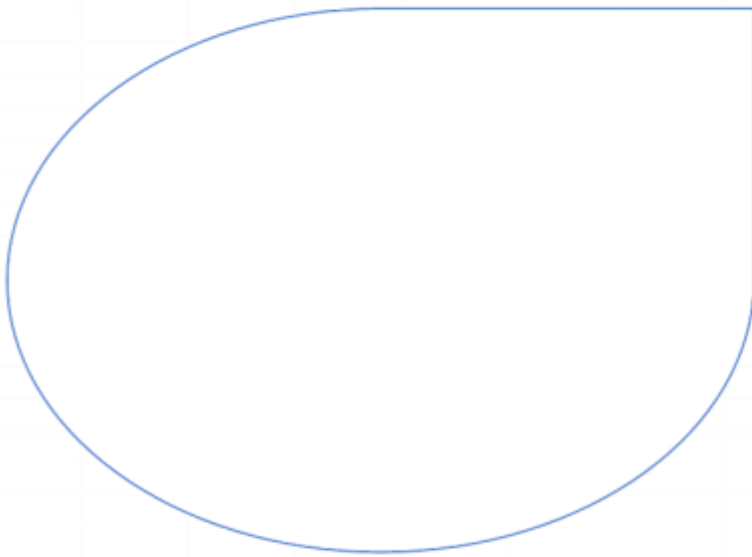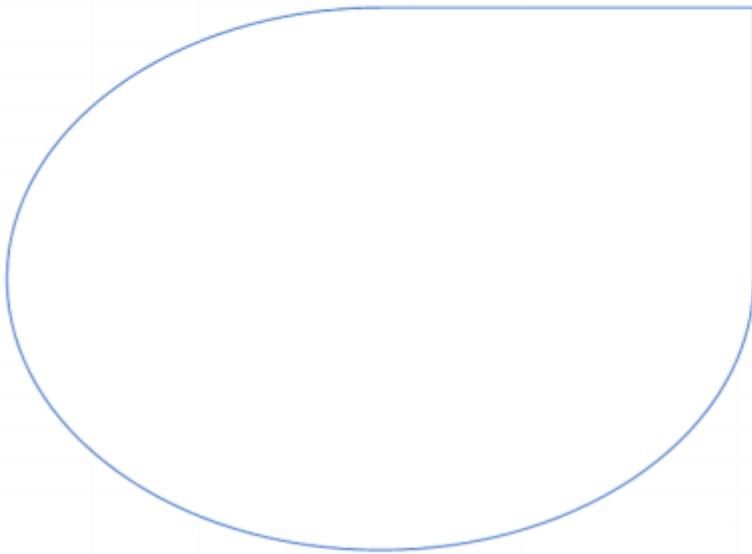
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

Fill in the missing numbers.

201	202	203	204	205				209	210
	212	213		215	216		218		220
221		223		225		227			230
231			234		236		238	239	240
241	242	243		245	246	247			
	252		254					259	260
		264			267	268			
271			275		277			279	280
281	282		284			287		289	
291			294	295		297	298		300

Fill in the missing numbers.

333	334	335							
100	200			500					
816	818	820							
50	100	150							
111	121	131							
0		4	6	8					
432	435	438							
999	888	777							
210	310	410							
415	420	425							
63	65	67							
228	231	234							
816	821	826							
0	8	16							
367	368	389							
678	688	698							
90	80	70							
655	660	665							
97	107	117							
545	546	547							
954	955	956							
112	113	114							

Unit 4 - Hundreds, Tens, and Ones

Hundreds	Tens	Ones
1	3	2
	■	
	■	🟨
🟧	■	🟨

Number 132

Hundreds	Tens	Ones
2	4	6
		🟨
		🟨
	■	🟨
	■	🟨
🟧	■	🟨
🟧	■	🟨

Number 246

Hundreds	Tens	Ones
7	5	8
		🟨
🟧		🟨
🟧		🟨
🟧	⬛	🟨
🟧	■	🟨
🟧	■	🟨
🟧	■	🟨
🟧	■	🟨

Number 758

Fill in the HTO columns

Hundreds	Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones
5	6	8		9	7	2		2	0	4
	Number				Number				Number	

Hundreds	Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones
9	9	9		7	4	1		1	9	6
	Number				Number				Number	

Hundreds	Tens	Ones
5	0	4
Number		

Hundreds	Tens	Ones
6	9	3
Number		

Hundreds	Tens	Ones
8	7	0
Number		

Hundreds	Tens	Ones
7	1	9
Number		

Hundreds	Tens	Ones
3	9	0
Number		

Hundreds	Tens	Ones
6	5	2
Number		

Draw Hundreds, tens and ones for the following.

			Hundreds		Tens		Ones
123	=	▬	Hundreds	▬ ▬	Tens	▬ ▬ ▬	Ones
345	=		Hundreds		Tens		Ones
870	=		Hundreds		Tens		Ones
316	=		Hundreds		Tens		Ones
709	=		Hundreds		Tens		Ones
531	=		Hundreds		Tens		Ones
679	=		Hundreds		Tens		Ones

Try this.

What is 100 + 30+3 =

What is 700+50+7 =

What is 80 + 3=

What is 70+5 =

What is 600 + 70+5 =

What is 400+30+1 =

What is 100 + 80+7 =

What is 500+40+9 =

Count backwards from 334 till the last square

451	=	4	H	5	T	1	O
670	=		H		T		O
156	=		H		T		O
600	=		H		T		O
710	=		H		T		O
916	=		H		T		O
575	=		H		T		O
781	=		H		T		O
411	=		H		T		O
490	=		H		T		O
373	=		H		T		O
911	=		H		T		O
764	=		H		T		O
663	=		H		T		O
854	=		H		T		O
198	=		H		T		O
695	=		H		T		O
777	=		H		T		O
429	=		H		T		O
509	=		H		T		O

H	T	O		H	T	O		H	T	O		H	3	O
	2	4			0	4			1	4			0	7
+	1	5	+		9	3	+		7	0	+		9	1

H	T	O		H	T	O		H	T	O		H	T	O
	3	0	4		8	9	0		5	6	0		7	0	4
+	2	7	1	+	1	0	9	+	2	1	3	+	2	6	1

H	T	O		H	T	O		H	T	O		H	T	O
	5	6	4		5	4	4		3	4	1		7	4	0
+		2	1	+		1	0	+		4	3		1	0	1

H	T	O		H	T	O		H	T	O		H	T	O
	7	1	4		6	5	3		4	0	5		1	2	1
+	1	4	1	+	1	4	0	+	3	0	5		3	4	2

Add in columns

H	T	O		H	T	O		H	T	O		H	3	O
	5	4			1	0	4		2	1	2		4	0	1
+	1	5	+		9	3	+	6	8	5	+	1	0	0

H	T	O		H	T	O		H	T	O		H	T	O
	5	0	0		7	0	3		8	9	0		4	0	0
+	3	3	2	+	1	0	9	+		1	3	+		1	1

H	T	O		H	T	O		H	T	O		H	T	O
	4	7	0		4	0	7		3	7	2		9	0	1
+	2	0	1	+	4	0	1	+	3	2	3		4	2	1

H	T	O		H	T	O		H	T	O		H	T	O
	7	0	0		3	2	1		4	0	5		7	9	0
+	1	0	4	+	1	1	2	+	6	3	4				0

Add in columns

	H	T	O			H	T	O			H	T	O			H	3	O
		5	4			1	0	4			2	1	2			4	0	1
+		1	5		+		9	3		+	6	8	5		+	1	0	0

	H	T	O			H	T	O			H	T	O			H	T	O
	6	0	9			3	5	0			8	9	0			4	0	0
+	3	3	0		+	1	0	9		+		1	3		+		1	1

	H	T	O			H	T	O			H	T	O			H	T	O
	4	7	0			5	0	7			3	6	2			9	0	1
+	2	0	1		+	4	2	1		+	4	2	3				2	1

	H	T	O			H	T	O			H	T	O			H	T	O
	8	5	1			6	2	0			5	1	2			5	6	5
+	1	0	4		+	1	1	2		+	4	3	4			4	0	2

Add in columns

	H	T	O		H	T	O		H	T	O		H	3	O
	1	2	4		1	0	4		5	1	4		3	0	7
+	4	1	5	+	2	9	3	+	2	7	0	+	4	9	1
	5	3	9												

	H	T	O		H	T	O		H	T	O		H	T	O
	2	1	4		7	1	0		3	1	0		6	0	6
+	3	6	2	+	2	6	9	+	5	1	3	+	2	6	1

	H	T	O		H	T	O		H	T	O		H	T	O
	5	0	4		6	5	4		3	2	1		3	4	8
+	2	1	1	+	1	0	0	+	3	4	3		4	5	1

	H	T	O		H	T	O		H	T	O		H	T	O
	8	0	5		7	9	2		5	2	7		1	2	4
+	1	6	1	+	1	0	0	+	1	0	3		2	1	1

Tom has 26 marbles. Sam gave him 32 more. How many does Tom have now?

	T	O

Emy has 14 chocolates. Her sister gave her 3 more. How many does she have now?

	T	O

In my class there are 33 boys and in my sisters' class there are only 12 boys. How many boys in both the classes together ?

	T	O

In a zoo there were 22 monkeys and 64 donkeys. How many monkeys and donkeys are there to

	T	O

tally?

Try these . [Horizontal addition

2	+	5	=	
6	+	2	=	
3	+	1	=	
8	+	1	=	
3	+	6	=	
1	+	4	=	
0	+	5	=	
4	+	3	=	
3	+	3	=	
6	+	2	=	
4	+	5	=	
5	+	4	=	
8	+	1	=	
9	+	0	=	
7	+	2	=	
1	+	0	=	

4	+	4	=	
5	+	5	=	
3	+	3	=	
8	+	1	=	
2	+	5	=	
0	+	7	=	
4	+	3	=	
1	+	6	=	
2	+	3	=	
3	+	5	=	
4	+	3	=	
5	+	4	=	
6	+	3	=	
7	+	2	=	
9	+	0	=	
2	+	0	=	
3	+	1	=	

4	+		=	8
5	+		=	9
3	+		=	6
8	+		=	9
2	+		=	9
0	+		=	4
4	+		=	8
1	+		=	8
2	+		=	9
3	+		=	7
4	+		=	6
5	+		=	10
6	+		=	7
7	+		=	7
9	+		=	9
2	+		=	8

1	+	2	=	
1	+	3	=	
1	+	4	=	
1	+	5	=	
1	+	6	=	
1	+	7	=	
1	+	8	=	
1	+	9	=	
1	+	10	=	
1	+	11	=	
1	+	12	=	
1	+	13	=	
1	+	14	=	
1	+	15	=	
1	+	16	=	

25		129	
67		325	
98		423	
45		826	
62		221	
79		245	
99		627	
45		530	
37		622	
22		728	

WHAT COMES AFTER

931			245	
235			675	
833			456	
137			977	
538			306	
640			214	
823			567	
663			832	
304			543	
232			305	

559			509	
345			675	
622			894	
765			383	
896			444	
342			780	
109			546	
673			321	
450			560	
789			889	

19		21
13		15
11		13
16		18
14		16
20		22
18		20
17		19
12		14
15		17

WHAT COMES IN BETWEEN

931		933
235		237
833		835
137		139
538		540
640		642
823		825
663		665
304		306
232		234

BACKWARD COUNTING

| 10 | | 8 | | | 6 | 4 | | 2 | |

| 14 | | 12 | | 10 | | | | 7 | | 5 |

| 29 | | | 26 | | | 23 | | 21 | |

| 62 | | | 60 | | | 57 | | 55 | |

| 93 | | 91 | | | 88 | | 86 | | 84 |

| 30 | | 28 | | 26 | | 24 | | 22 | | |

| 16 | | 14 | | 12 | | | | 9 | | |

| 72 | | | 69 | | 67 | | | 64 | | |

55		53		51			48		

88		86		84			81		

34		32		29	27				

62		60		58	56			52	

100		98		96			93		91	

12		10		8					

99		97		95			92		

29		27		25			21	

75		73		71					

23		21		19					

WHAT COMES BEFORE

	581			509
	367			675
	644			894
	787			383
	918			444
	364			780
	131			546
	695			321
	472			560
	811			889

Fill in the gaps

136		134		132				
375	374		372					367
967	966			963		961		959
648	647					642		
333	332		330		328			325
144		142		140				
720		719	718		716		714	
403		401		399				
510	509	508		506		504		502
767	766			763		761		759
850	849					844		

15 - 5 = 10

Now, do the below ones

11 - 2 =

9 - 3 = 6

Take away 12 from the total . How many are left ?

☐ - ☐ = ☐

Take away 14 from the total . How many are left ?

☐ - ☐ = ☐
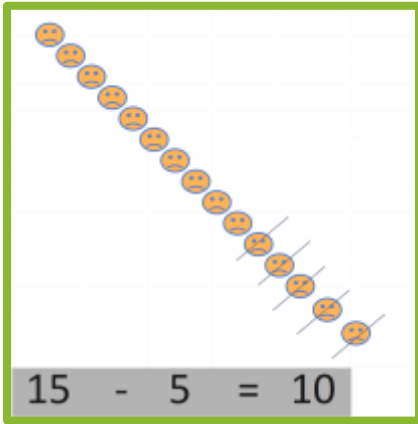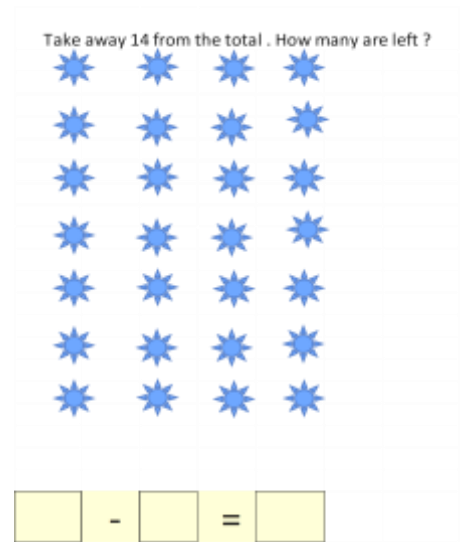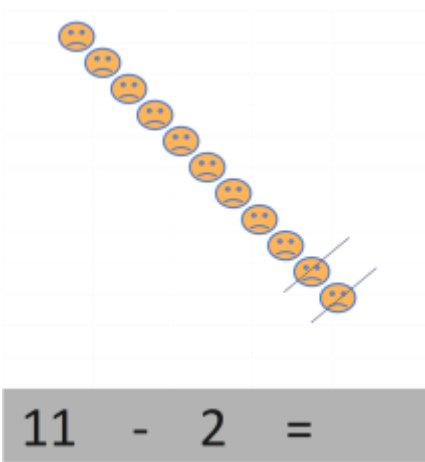
	H	T	O		H	T	O		H	T	O		H	T	O
		6	8			2	8			7	6			4	5
-		2	3	-		1	0	-		2	4	-		2	3
		4	5			1	8			5	2			2	2

	H	T	O		H	T	O		H	T	O		H	T	O
		5	6			8	2			9	4			6	3
-		5	6	-		7	0	-		8	2	-		2	

	H	T	O		H	T	O		H	T	O		H	T	O
	8	5	6		7	8	4		9	2	4		7	8	0
-	2	3	4	-	6	7	2	-	6	1	2	-	6	7	0

	H	T	O		H	T	O		H	T	O		H	T	O
	7	0	5		5	6	5		8	0	8		6	3	4
-	2	0	5	-	2	3	1	-	7	0	8	-	6	2	4

	H	T	O		H	T	O		H	T	O		H	T	O
	9	8	7		7	6	4		5	3	1		9	8	5
-	2	3	4	-	6	6	2	-	4	2	1	-	3	5	2

Try These

	H	T	O		H	T	O		H	T	O		H	T	O
	7	6	8		8	7	8		7	7	6		4	4	5
−	2	2	3	−	5	1	0	−	6	2	4	−	3	2	3
		4	5			1	8			5	2			2	2

	H	T	O		H	T	O		H	T	O		H	T	O
	7	5	6		5	8	2		7	9	4		5	6	3
−	2	5	6	−	2	7	0	−	1	8	2	−	3	2	3

	H	T	O		H	T	O		H	T	O		H	T	O
	6	0	5		6	4	3		9	0	6		6	7	7
−	3	2	4	−	2	3	2	−	6	0	3	−	2	5	5

	H	T	O		H	T	O		H	T	O		H	T	O
	7	8	5		6	9	0		9	0	0		8	0	0
−	5	4	3	−	4	3	0	−	9	0	0	−	7	0	0

	H	T	O		H	T	O		H	T	O		H	T	O
	8	7	7		4	3	2		4	3	8		6	5	4
−	3	2	1	−	4	3	2	−	1	0	5	−	3	5	2

H	T	O		H	T	O		H	T	O		H	3	O
	9	9	9		6	5	4		7	0	0		7	2	4
-	1	1	2	-	5	4	2	-	7	0	0	-	7	0	4

H	T	O		H	T	O		H	T	O		H	T	O
	5	6	4		8	2	1		3	4	2		6	2	1
-		6	3	-	4	1	0	-	2	1	1	-	3	1	1

H	T	O		H	T	O		H	T	O		H	T	O
	7	8	6		7	4	3		5	6	4		8	4	9
-	4	4	4	-	1	3	2	-	5	2	2	-	7	3	6

H	T	O		H	T	O		H	T	O		H	T	O
	9	3	1		1	3	0		6	1	8		5	4	1
-	1	0	0	-	1	1	0	-	5	0	4	-	4	3	1

Try these

	H	T	O			H	T	O			H	T	O			H	3	O
	9	9	9			6	5	4			7	0	0			7	2	4
-	1	1	2		-	5	4	2		-	7	0	0		-	7	0	4

	H	T	O			H	T	O			H	T	O			H	T	O
	5	6	4			8	2	1			3	4	2			6	2	1
-		6	3		-		1	0		-	2	1	1		-	3	1	1

	H	T	O			H	T	O			H	T	O			H	T	O
	7	8	6			7	4	3			5	6	4			8	4	9
-	4	4	4			1	3	2			5	2	2			7	3	6

	H	T	O			H	T	O			H	T	O			H	T	O
	9	3	1			1	3	0			6	1	8			5	4	1
-	1	0	0		-	1	1	0		-	5	0	4		-	4	3	1

Try these.

1. There are 9 birds on a tree . 3 of them flew away. How many are left ?

	T	O

2. I have 42 marbles. I gave 12 to my friend. How many do I have now?

	T	O

3. Dista has 24 kites. out of that 4 kites tore. How many are good kites are left with Dista?

	T	O

4. There ere 456 trees in the forest. The woodcutter cut 123 trees. How many are left now?

	T	O

Put greater than, lesser than or equal to as appropriate. [< , > , =]

127		270	567		456
900		800	444		587
235		235	123		321
764		623	56		560
675		875	345		543
689		986	79		78
33		35	213		118
639		39	316		326
204		304	289		129
106		601	601		601

Put greater than, lesser than or equal to as appropriate. [< , >, =]

870		670	100		110
456		650	432		234
786		653	167		761
213		113	777		717
459		567	431		430
983		938	654		546
321		321	512		325
914		411	904		977
438		129	753		355
235		823	357		823

Put greater than, lesser than or equal to as appropriate. [< , >, =]

10+10		20
26		25-1
3+3		9
7+2+1		11
10+20		10-10
100		40+20
500		250+1
900		90
20-6		10+3
5+15		36

Unit 9 - Repeated Addition - MULTIPLICATION

2 + 2 + 2 = 6

2 + 2 + 2 + 2 = 8

3 * 2 = 6

4 * 2 = 8

On a Number line, we can skip count to add and multiply.
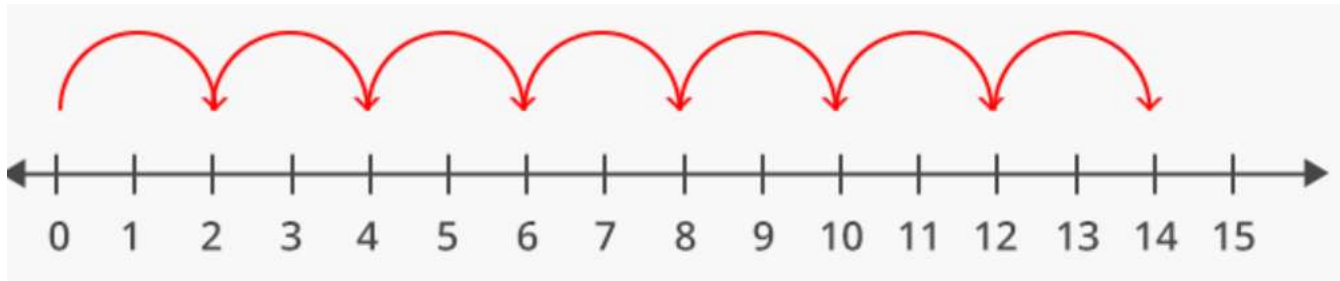
2	*	0	=	0
2	*	1	=	2
2	*	2	=	4
2	*	3	=	6
2	*	4	=	8
2	*	5	=	10
2	*	6	=	12
2	*	7	=	14
2	*	8	=	16
2	*	9	=	18
2	*	10	=	20
2	*	11	=	22
2	*	12	=	24

Write 2 times table.

Any number multiplied by 1 is the same number .

Try this

1	*	1	=	1
2	*	1	=	2
3	*	1	=	3
4	*	1	=	4
5	*	1	=	5
6	*	1	=	6
7	*	1	=	7
8	*	1	=	8
9	*	1	=	9
10	*	1	=	10
11	*	1	=	11
12	*	1	=	12

2	*	2	=	
8	*	2	=	
3	*	2	=	
6	*	2	=	
4	*	2	=	
7	*	2	=	
5	*	2	=	
0	*	2	=	
9	*	2	=	
1	*	2	=	

$5 + 5 + 5 + 5 + 5 = 25$

$5 * 5 = 25$

$5 + 5 + 5 = 15$
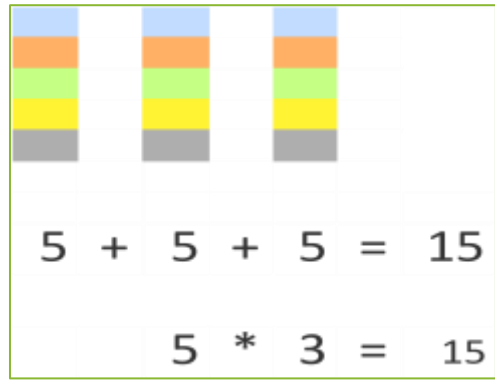
$5 * 3 = 15$

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

Tables of 10.

10	*	1	=	10
10	*	2	=	20
10	*	3	=	30
10	*	4	=	40
10	*	5	=	50
10	*	6	=	60
10	*	7	=	70
10	*	8	=	80
10	*	9	=	90
10	*	10	=	100
10	*	11	=	110
10	*	12	=	120
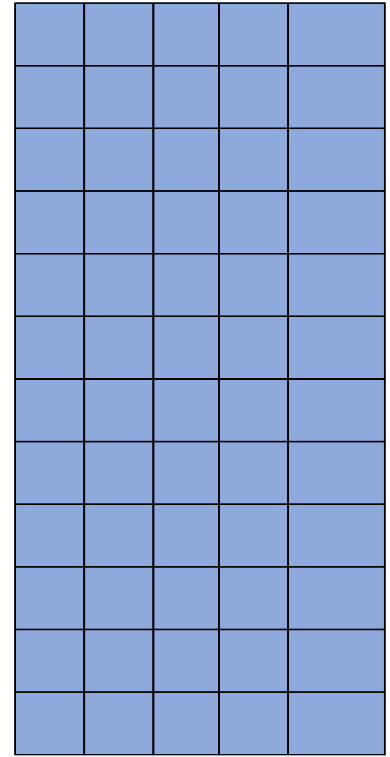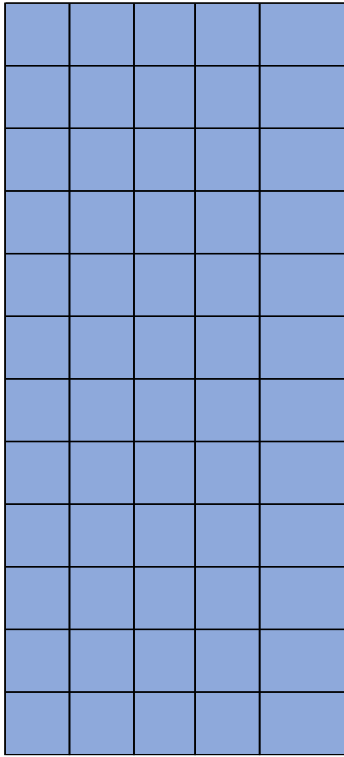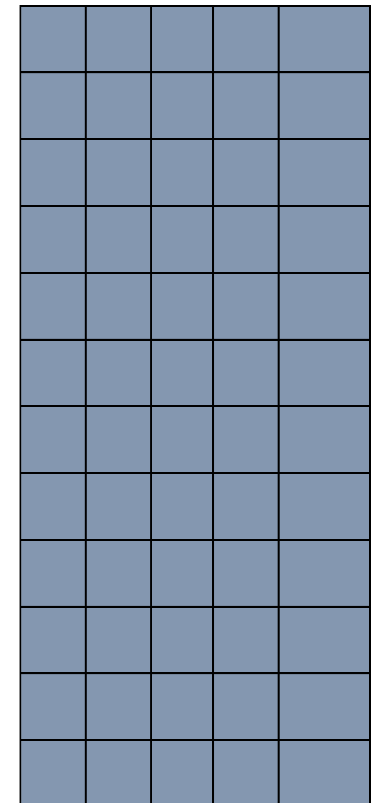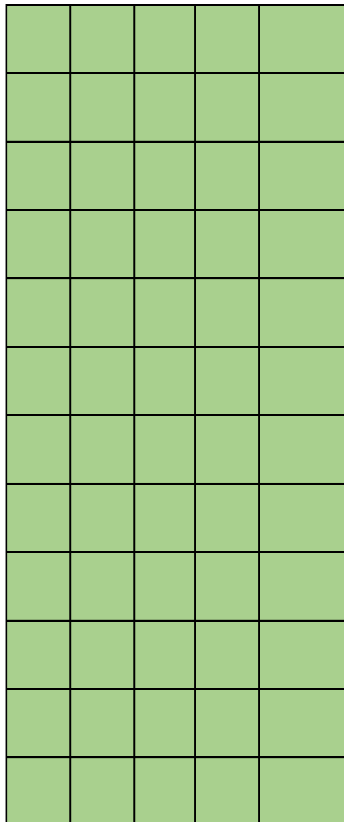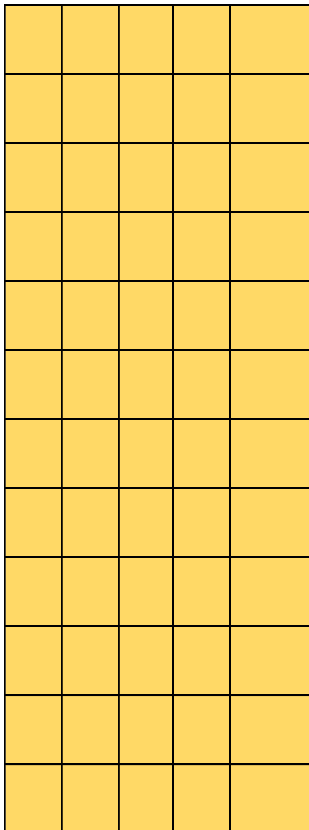
Practice 2, 5 and 1o tables.

10	*	1	=	
5	*	12	=	
2	*	10	=	
5	*	3	=	
2	*	2	=	
10	*	12	=	
1	*	4	=	
2	*	8	=	
5	*	2	=	
10	*	6	=	
5	*	0	=	
2	*	3	=	

10	*	5	=	
5	*	8	=	
2	*	2	=	
1	*	9	=	
5	*	6	=	
2	*	8	=	
1	*	2	=	
5	*	0	=	
10	*	10	=	
5	*	2	=	
2	*	7	=	
1	*	0	=	

1	*	3	=	
2	*	6	=	
5	*	7	=	
1	*	8	=	
2	*	9	=	
5	*	5	=	
10	*	4	=	
1	*	7	=	
5	*	3	=	
2	*	4	=	
5	*	9	=	
1	*	7	=	

Put greater than, lesser than or equal to sign .

10*2		2 *10
4*2		4*5
2*6		7*5
12*0		3*5
6*4		3*5
1*40		8*5
7*4		5*9
2*0		7*1
4*5		4*5
10*10		100

Three times five is =

Any number multilpied by 0 is =

Five times five is =

One lesser than ten times ten is =

Seven times five is equal to five times seven . T or F

A hundred times one is =

4 * 2 is equal to 2 times four . T or F

Unit 10 - MEASUREMENT - LENGTH

Length is a measurement, which **shows us the distance between two points**. It also measures how long an object is, its height, and its width

The standard unit for measurement is:
Cm, M, and Km

Cm stands for Centimeter
M stands for Meter
Km stands for Kilometer

This ruler has 15 cms
Each centimeter is divided into small sections called millimeters
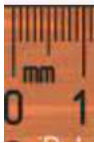
1. Where is the arrow pointing?__5__ CMS
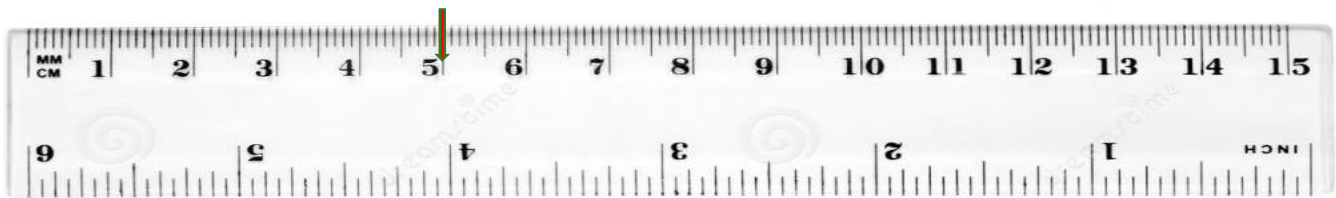
Answer the following.
   2. Where is the arrow pointing?____ CMS
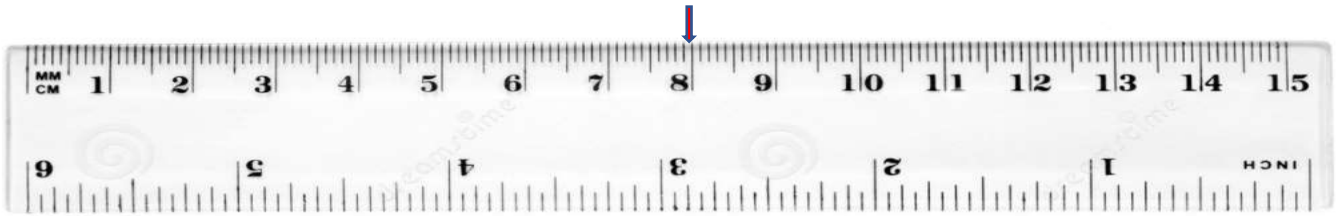
3. Where is the arrow pointing?____ cms
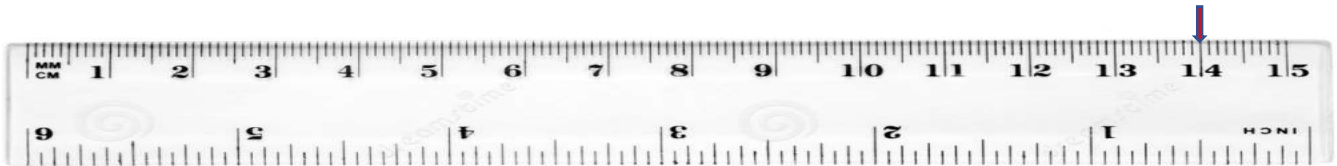
Using your ruler can you measure the length of the following objects.
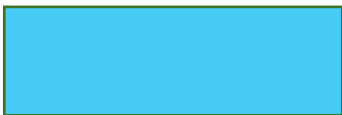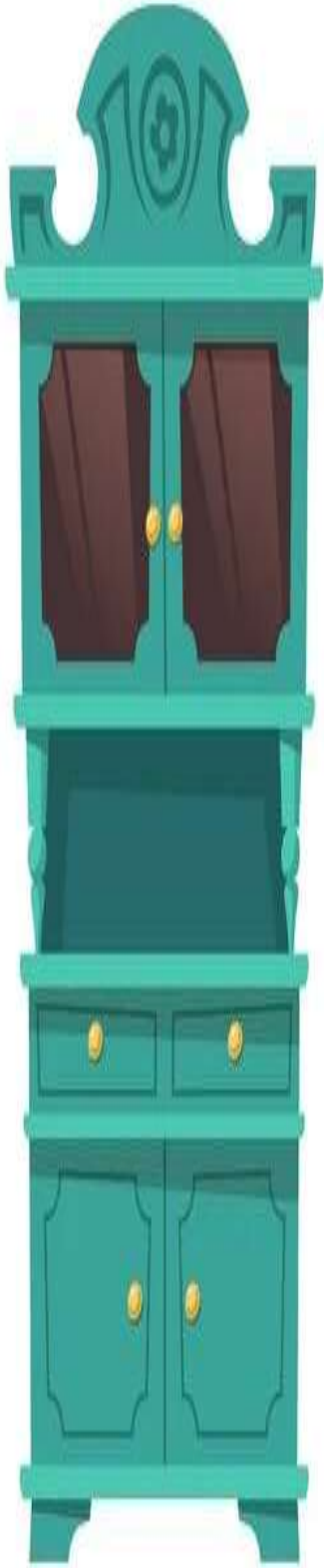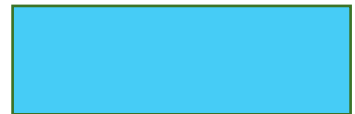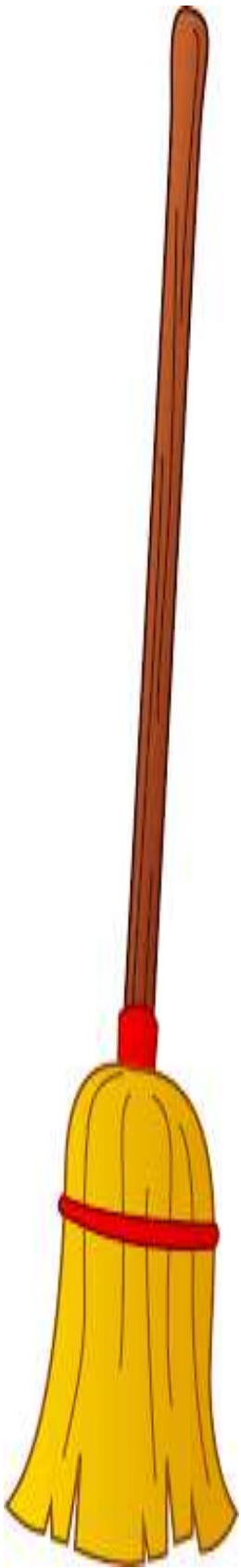
ill in the gaps

1. The length of your eraser will be approximately _____ cm [2 cm, 25 cm]
2. The length of your blackboard will be approximately _____ cm [4 cm, 150 cm]
3. The length of your socks will be approximately _____ cm [1 cm, 15 cm]
4. The length of your pencil will be approximately _____ cm [20 cm, 5 cm]

5.
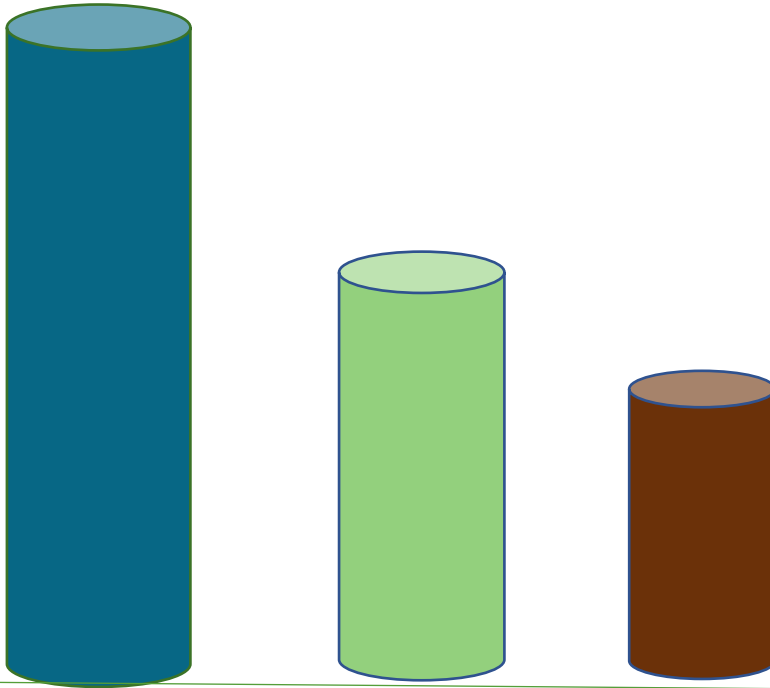
Which is the shortest cylinder? _____ color.
Which is the Longest cylinder? _____ color.
Which color cylinder is shorter than the green cylinder?

5. Circle the flower with the longest stem.
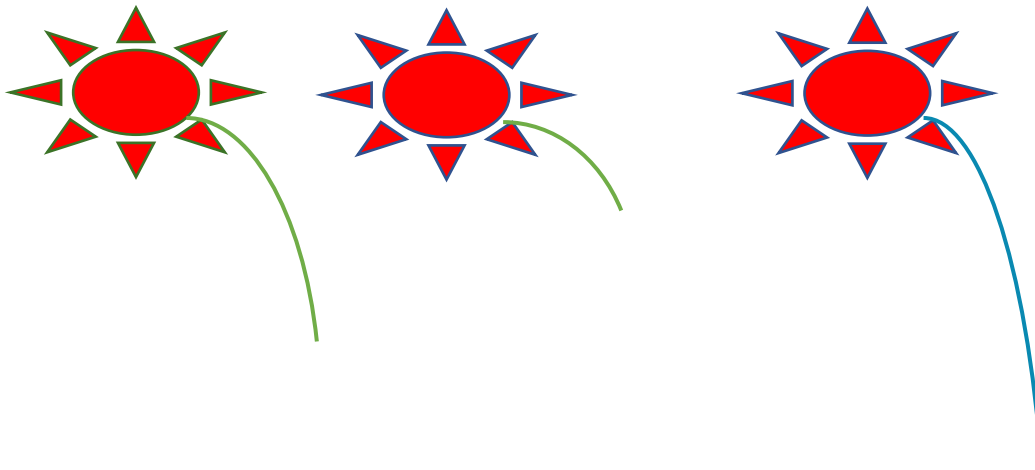
6. Color the shorter arrow.
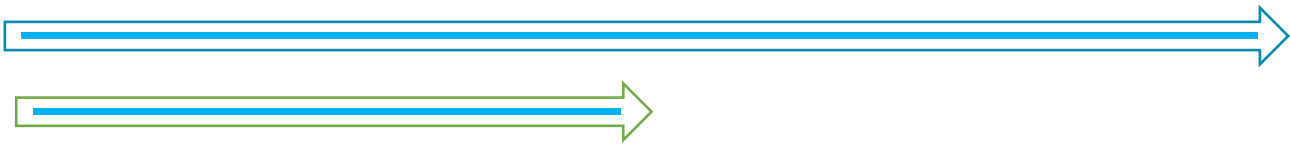
7. Identify the tall, taller, and the tallest

8. Draw the shorter triangle in the below picture.
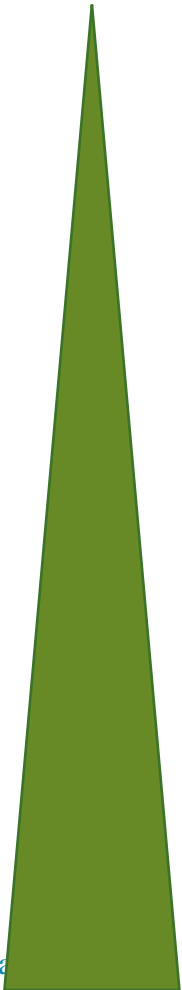
9. Draw the bigger and biggest house from the picture below
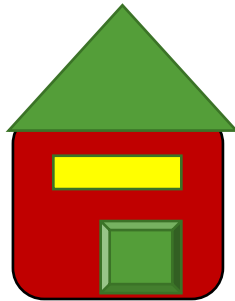
10. Given below is the long cone ice cream. Can you draw the longer and the longest ice cream cone ?

Q5. Circle the tallest animal , cross the taller one and draw a line through the tall animal.
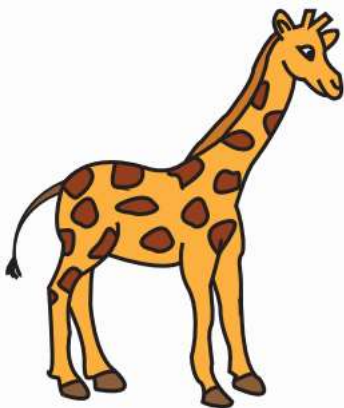
<u>Q6. Identify the tall, taller, and the tallest</u>

<u>20. Can you answer…….</u>
   a. What is the measure of one side of your pencil box. _____
   b. Is your home closer to your school or the sun? _____
   c. Which is closer to you. the sun or your school ?_____
   d. Is your father taller than your younger brother? _____
   e. Can you measure any window of your house and write the measurement below .
   f. Can you draw your family below and write their heights

Vaa

We measure liquids in liters and milliliters.

Liters and milliliters are metric units of volume **which are used** to measure the capacity of a liquid. The capacity of a liquid can be measured in milliliters, centiliters, liters and kiloliters.

A liter is denoted with the letter '*l*' or L. Milli liter is denoted by ml or ML

1000ml = 1 litre

Color up to 500 ml in the first jar picture.
Color up to 350 ml the second jar picture.
Color up to 200 ml in the third jar picture.
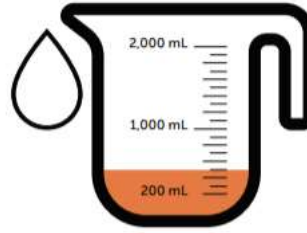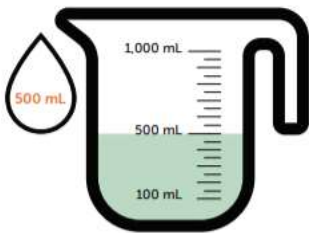
 This jar has   ml .   The liquid in the jar is _____ ml.
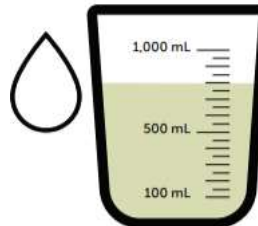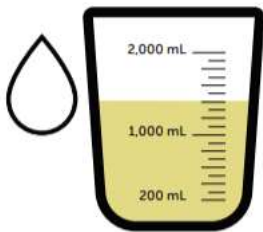
.Is this jar haing 500 ml . True of False   The liquid in the jar is _____ ml.

Can you answer.......

g. Which is heavier? Your water bottle or the water tank at your home ?_____
h. Which has more liquid in it? One bottle full of milk or one teaspoon of medicine .____
i. Which has more liquid. a bucket full of water or your water bottle
j. Which has less liquid, the swimming pool or the water tank on your terrace
k. Which has more water in it. The kids pool or the adult pool
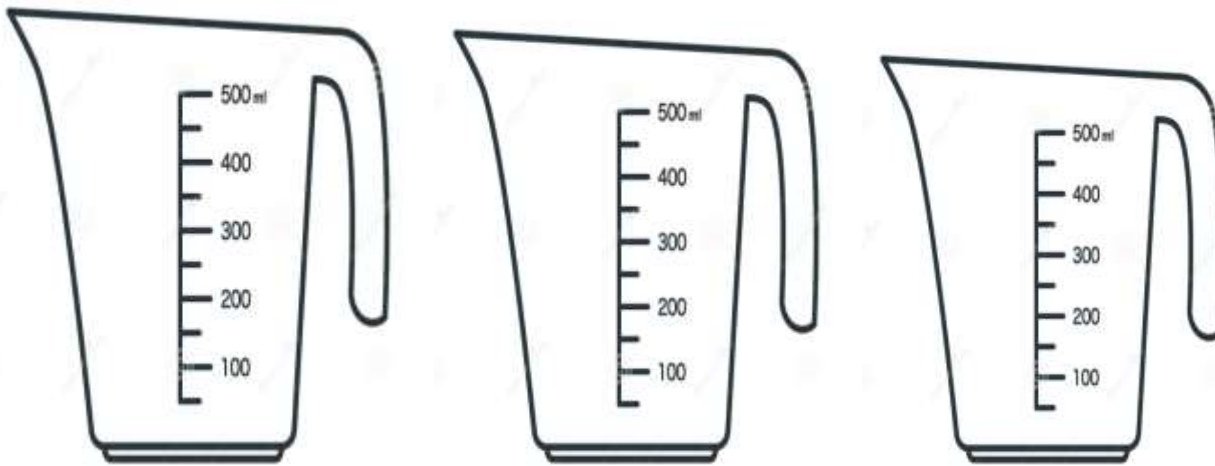
Color the first jar up to 100 ml .

Color the second jar up to 400 ml

Color he third jar up to 250 ml

TRY THESE.

What is 100 ml plus 100 ml? _____

Which is greater 400 ml or 40 ml? _____

How much ml does your water bottle contain? _____-

20ml +20ml+20ml =

How many milliliters make one liter ?_____

Weight is the amount of matter present in the body.
A body that has more weight is called heavy and a body that has less weight is called light.
We measure the weight in
    Grams and Kilograms
    1000g = 1 kilogram

Q1.
which is heavier?
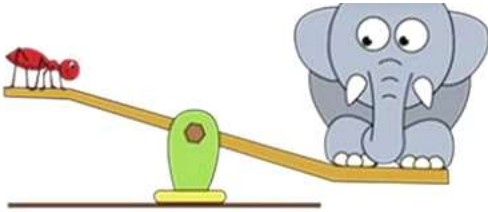
Q 2.

which is lighter? _____
Q3.
Circle the light animal?

_____
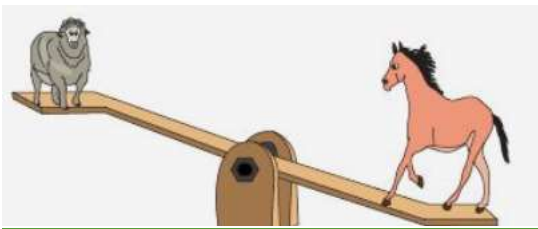
Q4. Can you answer.......
1. Which is heavier? Your school bag or your pencil pouch ?_____
2. Is your eraser lighter or your notebook.? _____
3. Is your father heavier or your baby brother? _____
4. Is the any heavier or a baby cat?
5. Can you weigh yourself and write the weight below.

Can you draw your family below and write their weight

Draw lightest object from your pencil pouch here.

Draw the lightest object from your pencil pouch here.

Circle the heavier one .
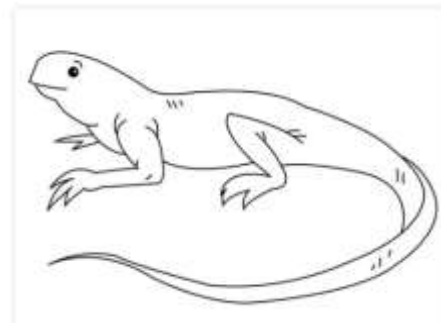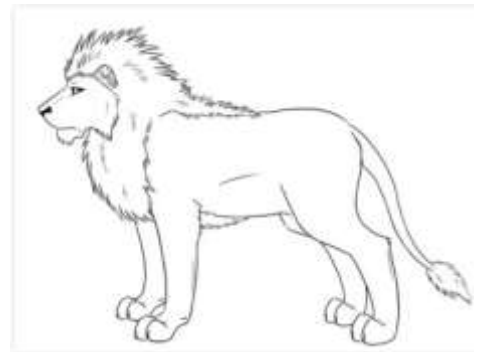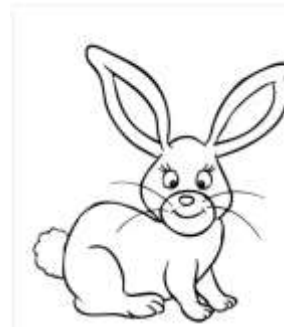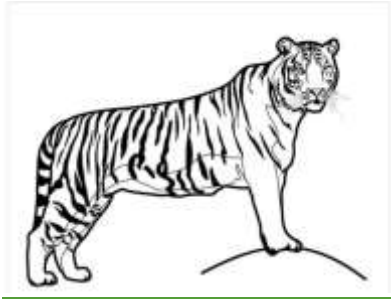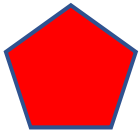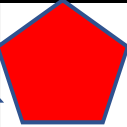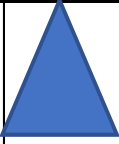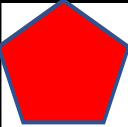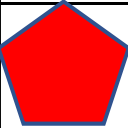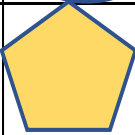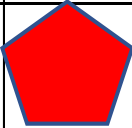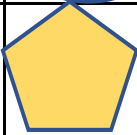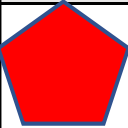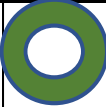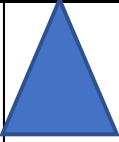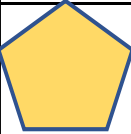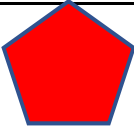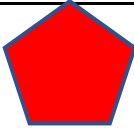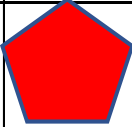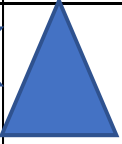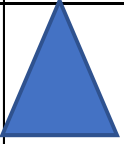
Exercsie 1 - See the pattern and fill in further.

| | 37 | 40 | 43 | 46 | | | | |

| | 10 | 15 | 20 | 25 | | | | |

| | 89 | 87 | | 83 | | | | |

| | 21 | 31 | 41 | | 61 | | | |

| | 90 | 80 | | 60 | | | | |

| | 58 | 66 | 74 | | 90 | | | |

| | 23 | 33 | 43 | | | | | |

| | 320 | 340 | 360 | | | | | |

	◗	⬠	▲	◆	◯	✶	⬠ ◯

1	◆	◯	◆	◯	◆		
2	✶	⬠	▲	✶	⬠		
3	◯	◯	◯	◯			
4	⬠	⬠	⬠	⬠	⬠		
5	▲	◯	▲	◯	▲		
6	⬠	◆	✶	◯	⬠		
7	◗	◯	◗	◯	◗		
8	▲	⬠	⬠	◗	▲		
9	◆	◗	⬠	◆			
10	✶	▲	▲	◆	✶		

Exercise 3 -Fill in the grey boxes with the most appropriate pattern .

1	✶	⬠	⬠	✶	✶	⬠	⬠		
2	◎	◆	◎	◆	◎	◆	◎		
3	⬠	⬠	⬠	⬠	⬠	⬠	⬠		
4	♥	⌒	♥	⌒	♥	⌒	♥		
5	A	A	B	B	C	C	D		
6	◗	⬭	⬭	◗	⬭	⬭	◗		
7	◗	◗	◗	◗	◗	◗	◗		
8	AAB	AAC	AAD	AAE	AAF	AAG	AAH		
9	▲	▮	●	▲	▮	●	▲		
10	▮	⬭	♥	▮	⬭	♥	▮		
11	22	33	44	55	66	77	88		
12	$	&	$	&	$	&	$		

Try this

2A	3B	4C	5D	6E	7F	8G			
J22	K21	L20	M19	N18	O17	P16			

A7	B8	C9	D10	E11	F12	G13			
Z	Y	X	W	V	U	T			
38	36	40	42	44	46	48			
star	circle	star	circle	star	circle	star			
J1	K2	L3	M4	N5	O6	P7			
204	▲	304	▲	404	▲	504			
●●●		●●●●●		●●●●●●●					
75	80	85	90	95	100	105			
→	↑	←	↓	→	↑	←			
3C	4D	5E	6F				10J	11K	12L
▲	◀	▼	▶	▲	◀	▼			

Can you make your own pattern.

Unit 14- Data handling

Exercise 1 -
Look at the graph above and answer the questions;

Fruits
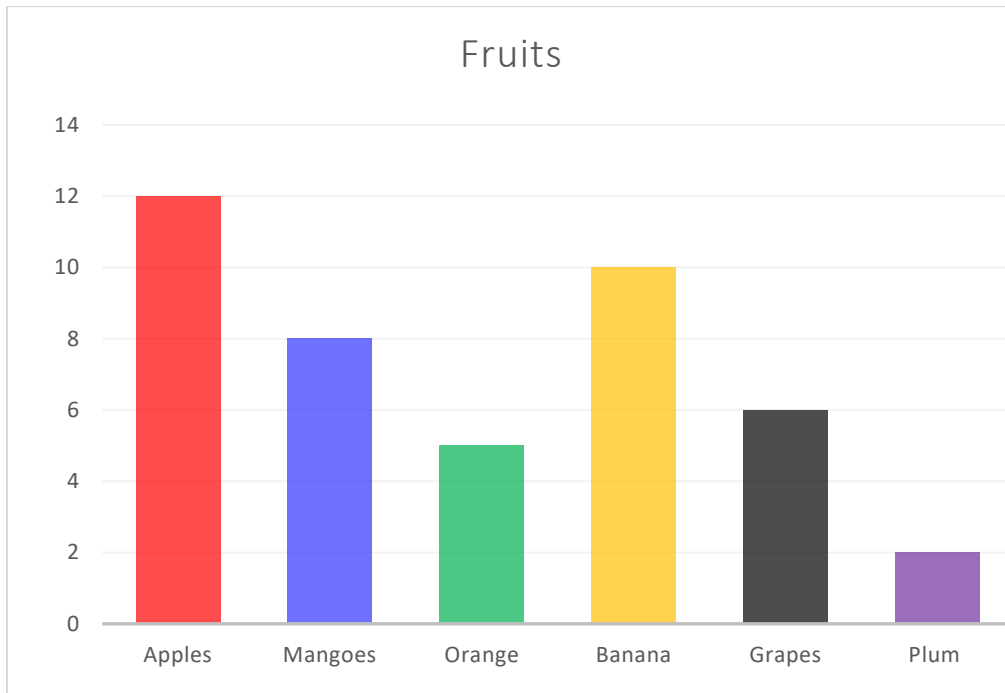
1. How many students are there in the Red house? _____
2. How many students are there in the Purple house ? _____
3. How many students are there in the Yellow house ? _____
4. How many students are there in the Green house? _____
5. How many students are there in the Blue house? _____
6. How many students are there in the Black house ? _____
7. How many students are there in the Red house and Blue house together?
8. How any students does the Green house have more than the yellow house? _____
9. How many students are there in all in the Black and purple house? _____
10. How many students are there in the Yellow and Purple put together? _____
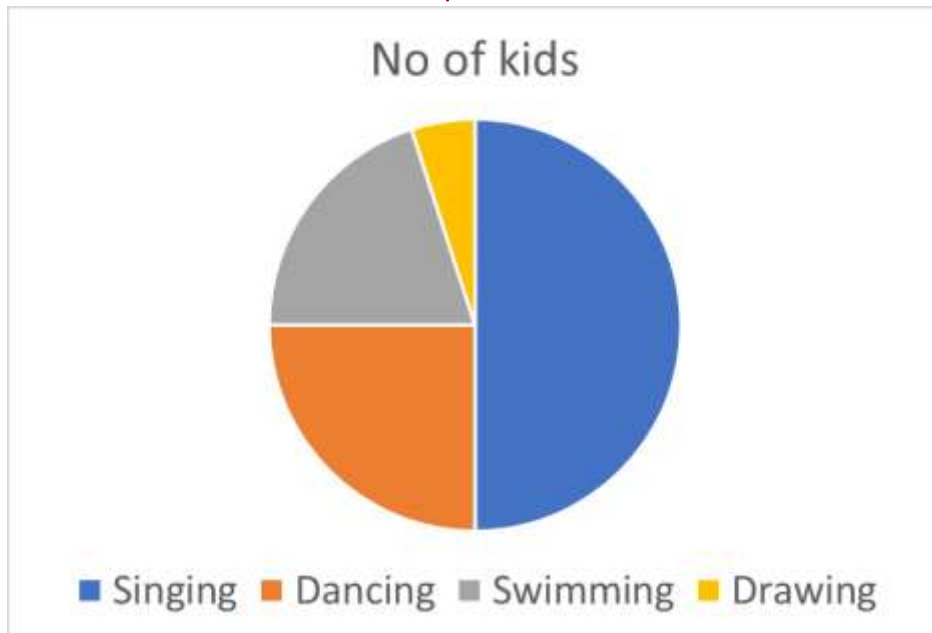
Numa has the following fruits.

1. How many Red-colored fruits are there? _____
2. How many yellow-colored fruits are there? _____
3. How many orange-colored fruits are there? _____
4. How many green-colored fruits are there? _____
5. How many total fruits are there in total _____ - .

Exercise 3. Look at the pie chart below and answer the questions.

Q1. Which hobby was most liked by the ids?
Q2. which hobby was least liked by the kids?
Q3. which hobby was more popular? swimming or Drawing.

1	2	3	4	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	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

How many 0's	
How many 1's	
How many 2's	
How many 3's	
How many 4's	
How many 5's	
How many 6's	
How many 7's	
How many 8's	
How many 9's	

Exercise 5 – See the table and answer the following questions.

How many letters do each fruit have . Write the number in the block provided.

P	A	P	A	Y	A						
P	I	N	E	A	P	P	L	E			
C	U	S	T	A	R	D					
I	C	E	C	R	E	A	M				
P	E	A	R								
G	R	A	P	E	S						
W	A	T	E	R	M	E	L	O	N		
O	R	A	N	G	E						
S	T	R	A	W	B	E	R	R	Y		
R	A	S	B	E	R	R	Y				

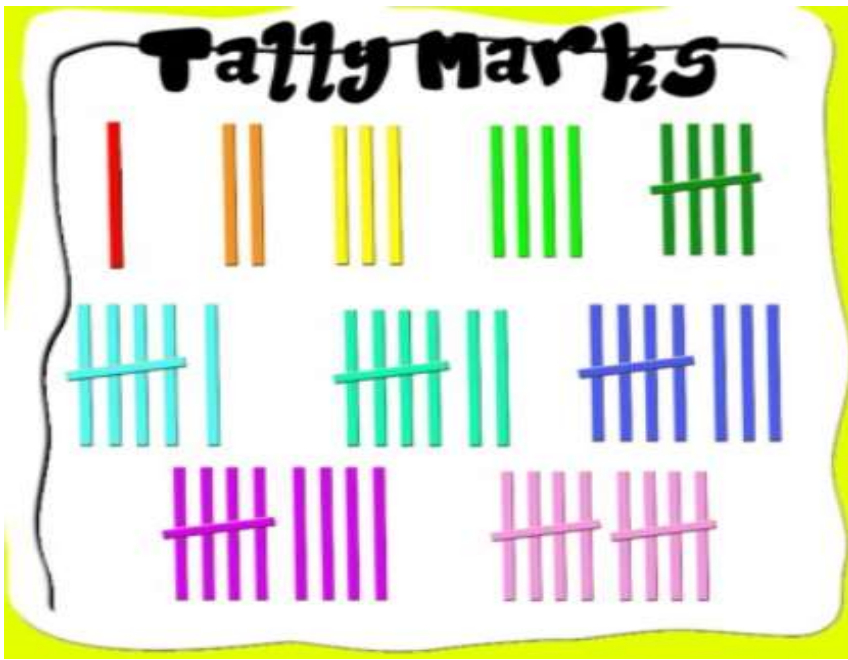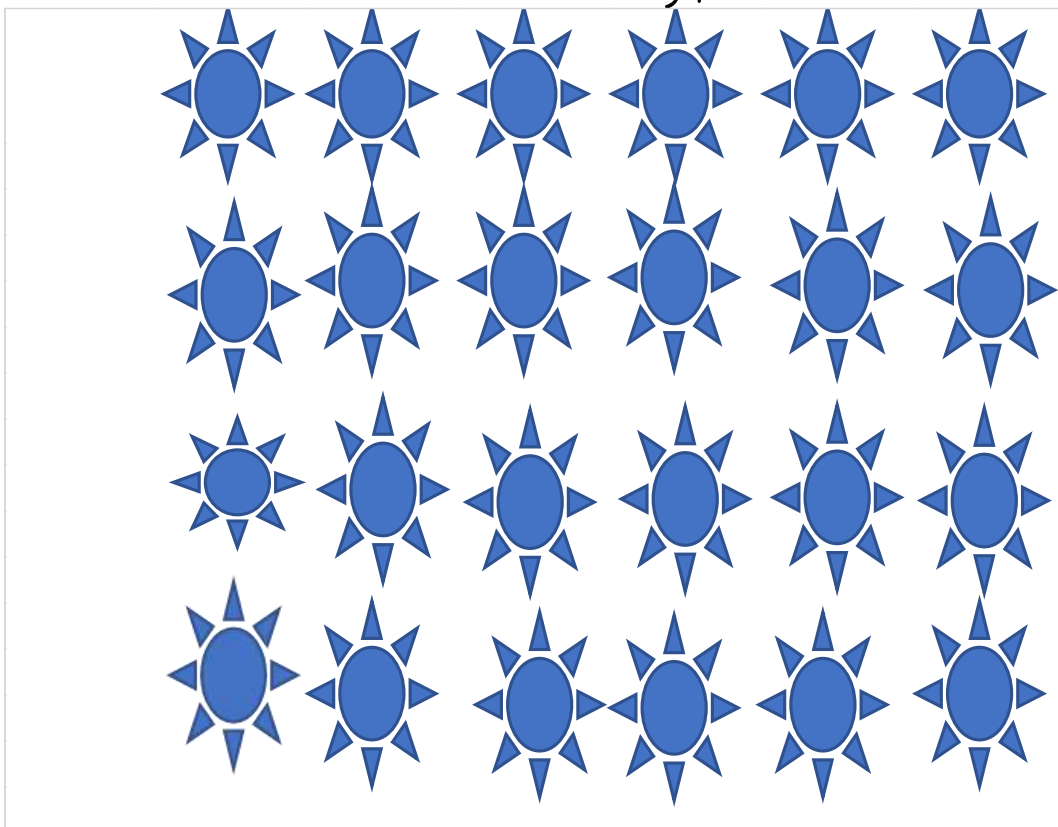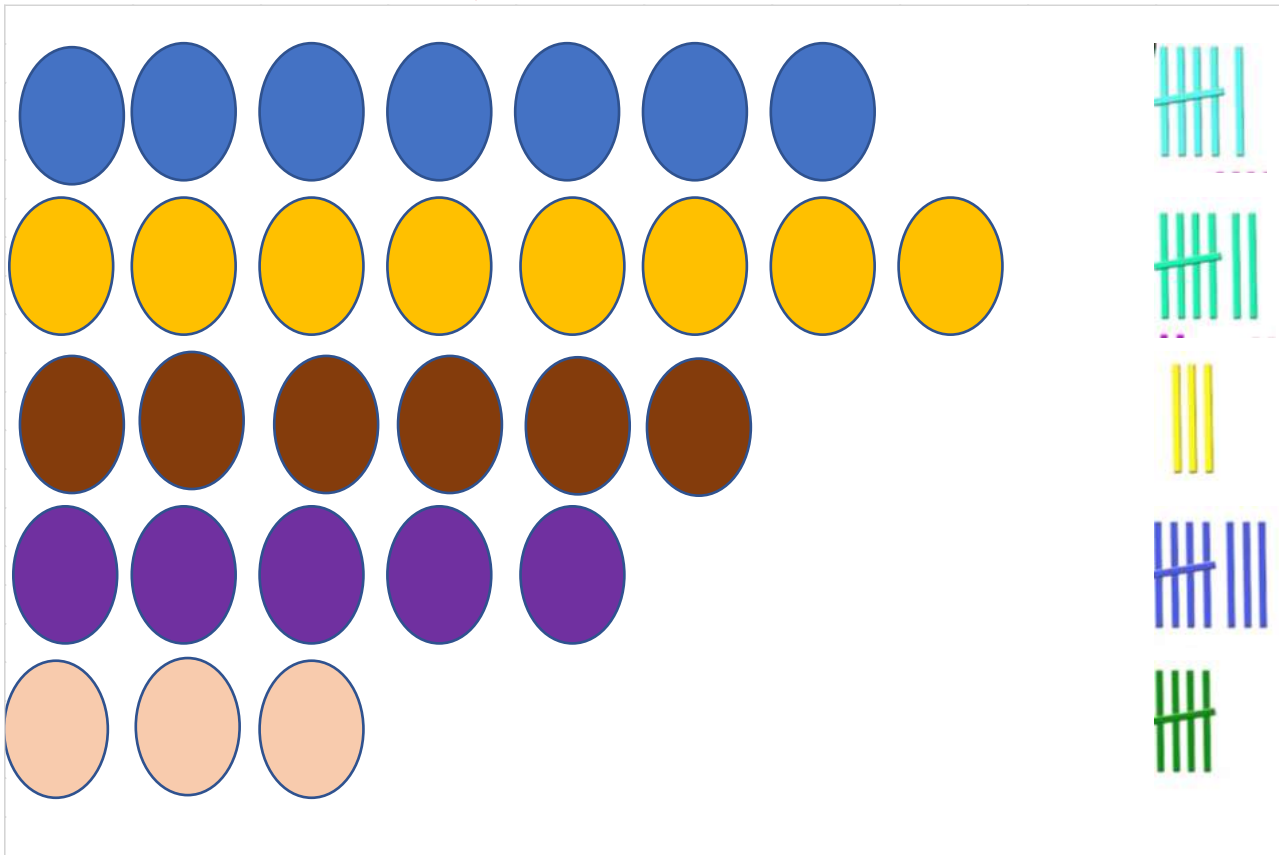|	
How many fruit names have five letters ?	
How many fruit names have six letters ?	
How many A's in all the fruits names?	
How many R's in all the fruits names?	
How many B's in all ?	

For every five items we write ⦀⦀

Lets' count the stars in the following picture .

Lets count |||| |||| |||| |||| ||| = 24 stars

Match to the correct tally mark.

Exercise 2.
Write the correct Tally Mark.

	=	
	=	
	=	
	=	
	=	
	=	
	=	
	=	
	=	
	=	
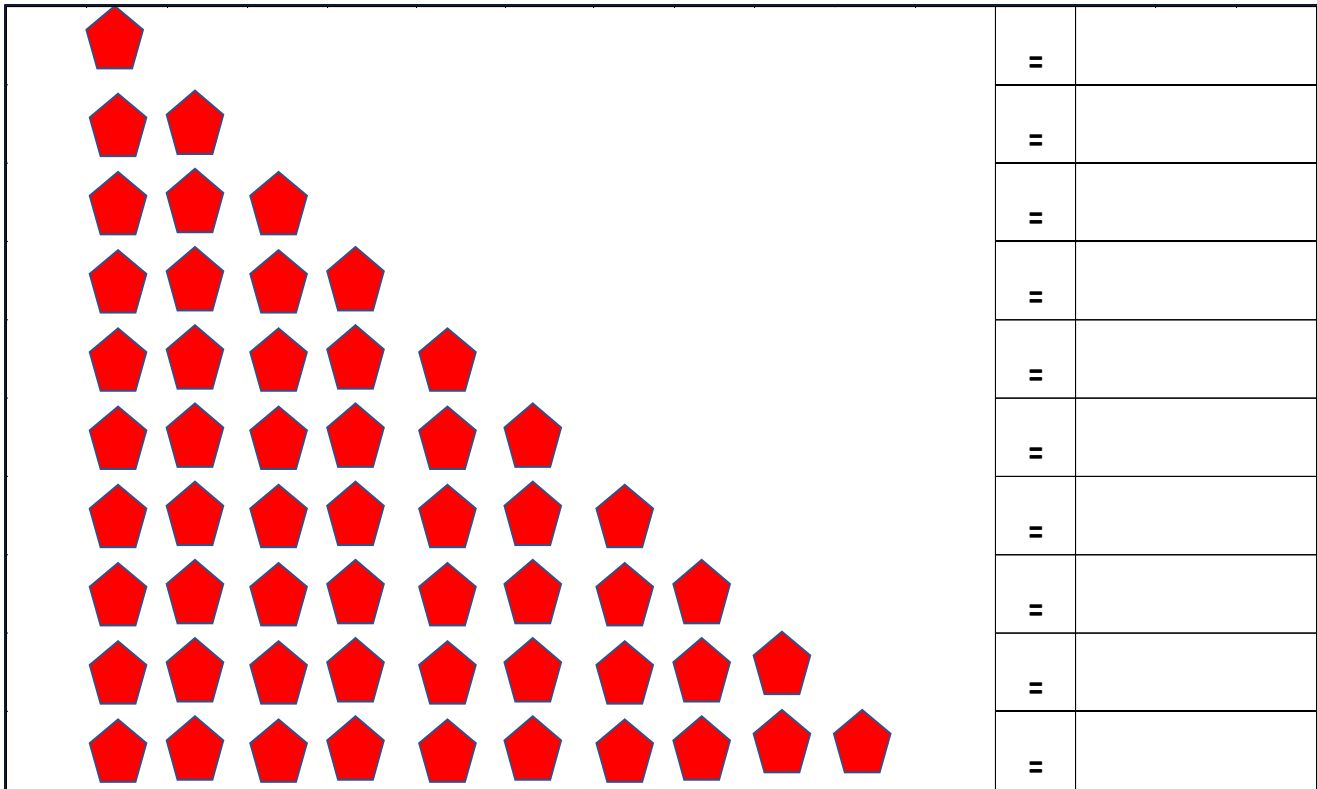
Exercise 3.
Write the numeral for the tally marks.

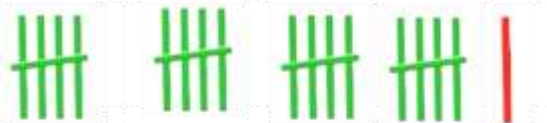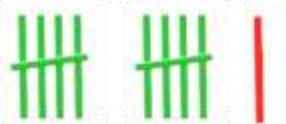|		
卌 卌 卌 ‖	=	☐
卌 卌 卌 卌 卌 卌 卌	=	☐
卌 卌 ‖‖‖ ‖‖‖ ‖‖‖ ‖	=	☐
卌 卌 卌 卌		=	☐
卌 卌 ‖	=	☐
卌 卌		=	☐
卌 ‖‖	=	☐
卌 卌 卌 卌 卌	=	☐
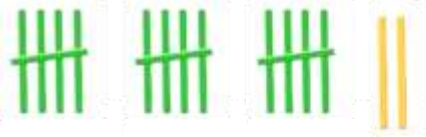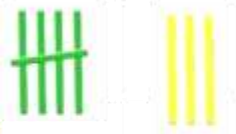
Exercise 4. See the table and answer the follwoign questions.

Some students were asked about their favorite Ice cream flavor.

Their answers are shown below.

Flavors	Tallies					Total
Strawberry	HHT	HHT	HHT	HHT		
Vanilla						14
Chocolate	HHT	HHT	HHT	II		17
Mango	HHT	II				
Caramel	HHT	HHT	II			
Coffee						22

Q1. Complete the Tally marks and the Totals in the table.

Q2. How many students like Strawberry flavor?

Q3. How many students like Mango flavor?

Q4. which flavor was the least popular?

Q5. How many students like Caramel flavor?

Q6. What was the most popular flavor?

Unit 16 - CALENDAR

Hi there!

Can you tell me which month your birthday falls in.

_____

Can you tell me the date of your birthday?

_____

There are twelve months in a year.

January

February

March

April

May

June

July

August

September

October

November

December

The first month of the year is _____

The last month of the year is _____

| J | | N | | A | R | |

| m | | Y | |

| A | | G | | S | |

| F | | B | | | A | R | |

| J | | N | | | | |

| S | | P | | E | | B | | R |

| m | | R | | H | |

| N | | V | | m | B | | |

| J | | L | | |

| A | | R | | L | |

| O | | T | | B | | R |

| D | | C | | m | B | | R | |

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
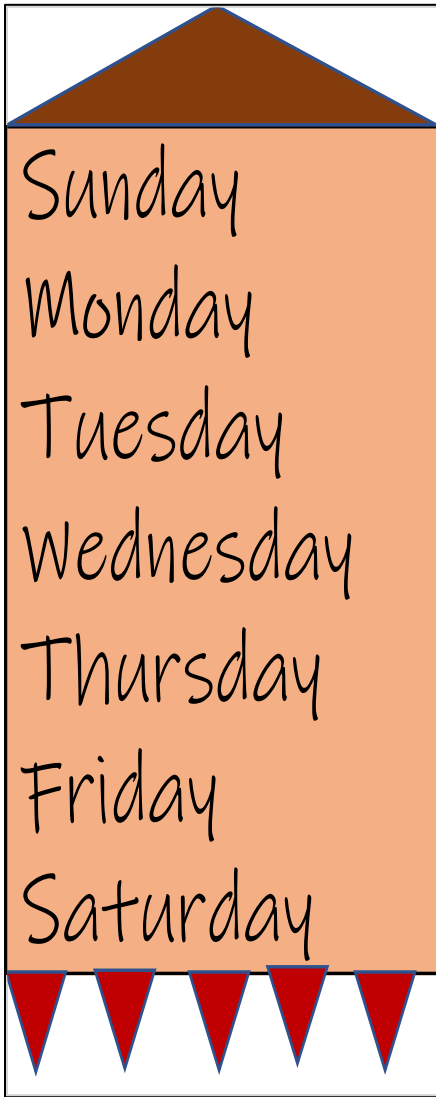
What day is today?_____

What day is tomorrow?_____

What day will it be day after tomorrow?_____

What day was it yesterday?_____

Which day comes after Sunday ?_____

Which day comes before Thursday ? _____

Exercise 2.

Fill in the blanks

T	H			S	D	A	Y	

S		T		R	D		Y	

W		D	N		S	D		Y

F		I	D		Y			

M		N	D					

T		E	S		A			

S		N	D		Y			

Look at the calendar below and answer the following questions.

July						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	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			

Q1. How many days does July have?

Q2. What day is the 3rd of July?

Q3. How many Tuesdays are there this month?

Q4. How many Sundays are there in July?

Q5. Color all the Mondays blue and Saturdays?

Q6. What day is the 22nd of the month?

Q7. How many Fridays are there in July?

Look at the calendar below and answer the following questions.

February						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

Q1. Which day does the 5ᵗʰ of February fall on?

Q2. Color the Fridays yellow.

Q3. How many Sundays are there in the month?

Q4. Which day is the day after the 19ᵗʰ of February?

Q5. How many Tuesdays are there in February?

Q5. How many days are there in February?

Q6. Which day is the day before the 24ᵗʰ of February?

Unit 17 -Ordinal Numbers.

Do you know anyone who lives in a high-rise building?

- Which floor do they live in ?_____

Numbers that give us the exact position of an object are called ordinal numbers. Ordinal numbers tell the position of an object rather than its quantity.
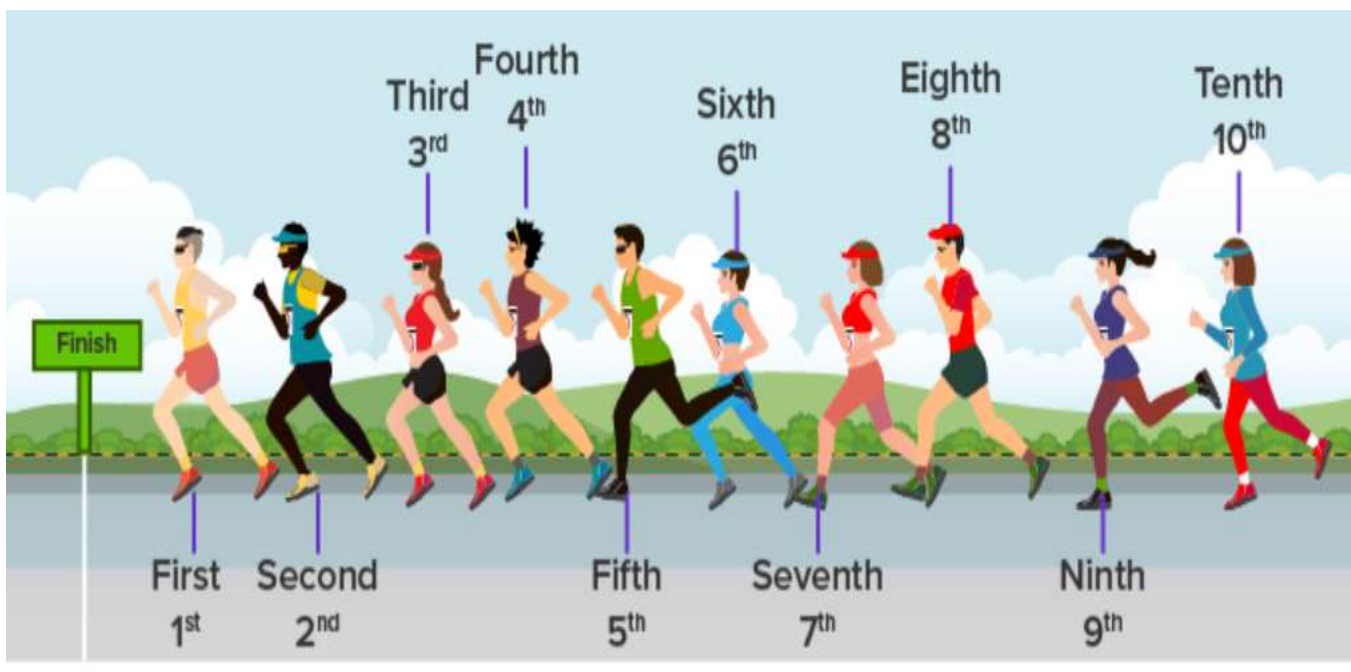
Cardinal Numbers		Ordinal Numbers	
1	One	1st	First
2	Two	2nd	Second
3	Three	3rd	Third
4	Four	4th	Fourth
5	Five	5th	Fifth
6	Six	6th	Sixth
7	Seven	7th	Seventh
8	Eight	8th	Eighth
9	Nine	9th	Ninth
10	Ten	10th	Tenth
11	Eleven	11th	Eleventh
12	Twelve	12th	Twelfth
13	Thirteen	13th	Thirteenth
14	Fourteen	14th	Fourteenth
15	Fifteen	15th	Fifteenth

Write and practice three times.

1st	=			
2nd	=			
3rd	=			
4th	=			
5th	=			
6th	=			
7th	=			
8th	=			
9th	=			
10th	=			

11th	=			
12th	=			
13th	=			
14th	=			
15th	=			
16th	=			
17th	=			
18th	=			
19th	=			
20th	=			

LOOK AT THE PICTURE BELOW

1. The Tiger is _____ in the line

2. The Lion is the _____ in the line.

3. The Snake is _____ in the line

4. Who is sixth in the line? _____

5. Is the Zebra the Seventh or Eighth? _____

6. The camel is the _____ in the line.

7. The monkey is _____ in the line .

8. Who is last in the line? _____

9. If the monkey came after the Zebra, what would his position be ?_____

10.   If the Tiger and snake ran away, What position would the elephant be? _____

Exercise 2 Do as per directions given.

box

MONITOR
SUPER

Color the last box yellow.
Draw an orange on the fourteenth box.
Write your name on the second box
Write your age in the 11th box.
Write the word "electric " on the sixth box
Write d on the seventeenth box.
Write the word "you" on the eighth box .
Write 5#5 on the fifteenth box.
Draw three triangles on the third box
On which block is Monitor written
Write "Mango" on the fifth box.
Color the seventh block red.
Write "Champion "in the thirteenth box.
Color the sixteenth box blue.
Write the opposite of" come "on the ninth block.
On which block is "SUPER" written.
Write the result of 10*10 on the tenth box.
Color the first box pink .

Exercise 3 - Complete the table.

Number	Ordinal name
	Thirty sixth
	Forty eighth
13	
	First
29	
8	
25	
	Forty second
3	
	Eighteenth
	Thirty fourth
2	
19	

Exercise 4. Write the Ordinal names.

Number	Ordinal number names
75	
62	
89	
93	
54	
65	
11	
47	
36	
10	

Unit 18 – Time

Tell me the Time

When the sun rises it is day. You wake up.

When the sun sets, it gets dark.

Right

We use the clock to see time .

Fill in the gaps.] morming . afternoon, evening, night]

I wake up in the _____ to go to school.

I have breakfast in the _____ .

I eat lunch in the _____ .

I takea nap in the _____ .

I go to play in the _____ with my friends .

I have dinner at _____ .

I wish "Good Night" to mom at _____ .

Look at the clock.

Do you know

1. The face of the clock has numbers from 1 to 12.
2. There are three hands on my face. One is for the hours; one is for the minutes and one is for the seconds.
3. There are 24 hours in one day.
4. The hour hand moves twice around my face every day.
5. There are 60 minutes in one hour.

Exercise 1 -Tell the time :

Draw the following in the clock.

1. When do you wake up in the morning?
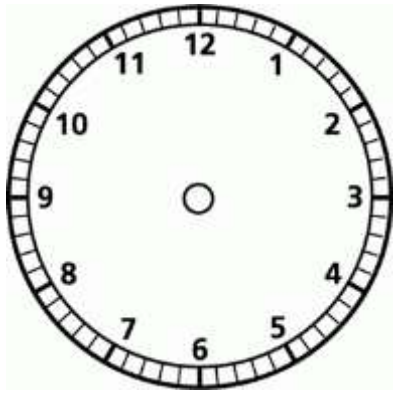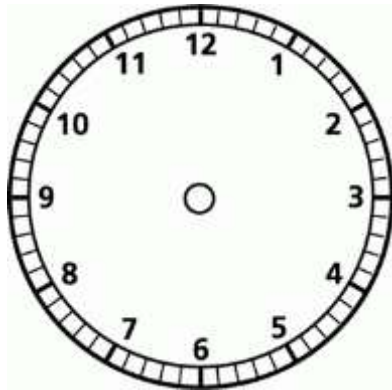

2. When do you go to school in the morning?
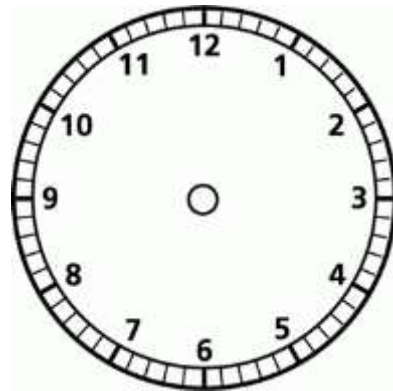
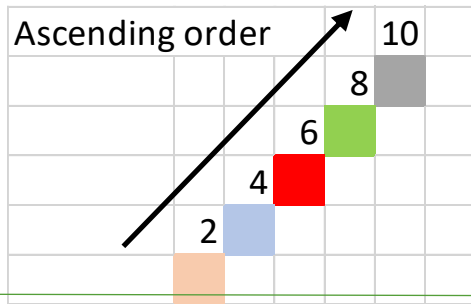3. When do you have lunch ?
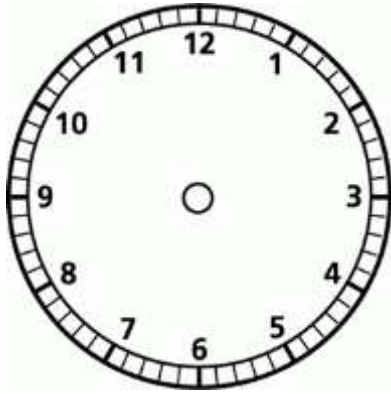
4. When do you play with your friends?
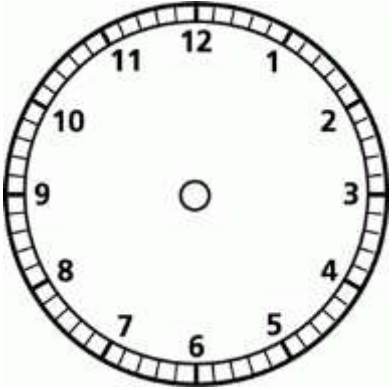
5. When do you have your dinner?

6. When do you go to bed ?
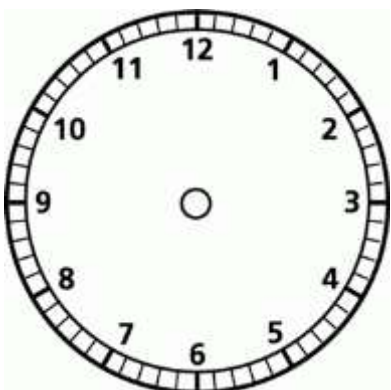
Unit 19- Ascending and Descending order

Ascending order

					10
				8	
			6		
		4			
	2				

Descending order

					10
				8	
			6		
		4			
	2				
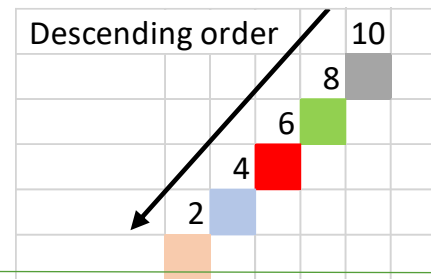
Exercsie 1 - Arrange in ascending order

333	334	335	336	337	338	339
500	300	900	700	600	100	200
816	818	820	822	923	826	846
350	100	50	200	0	300	350
711	211	466	899	111	100	710
23	28	90	12	7	9	0
445	789	456	423	324	555	556
110	410	310	220	221	821	51
999	234	777	888	678	343	754

16	21	83	5	0	2	-7
124	273	528	961	173	162	772
47	50	53	34	27	65	79
498	497	456	476	439	493	412
816	821	826	812	836	914	846
340	342	320	319	367	354	321
415	465	425	420	485	410	400
228	201	234	244	210	265	219
679	600	689	559	589	689	500
63	67	61	60	64	78	54

672	786	123	765	875	432	65
897	532	967	564	432	900	432
239	769	564	321	934	231	544
765	654	325	789	543	486	510
789	432	107	206	39	650	764

Arrange in ascending order

790	679	350	814	568	511	535
697	811	148	790	900	457	90
814	457	132	231	64	675	789
922	557	992	589	457	925	457
264	794	589	346	959	256	569

Exercise 4 -Arrange in descending order

231	678	987	687	132	89	452
675	123	879	324	767	132	765
56	876	49	123	879	934	321
521	985	541	238	982	344	233
111	333	999	889	449	129	90

Arrange in ascending order

617	727	421	736	181	138	501
67	172	421	373	816	181	814
442	925	421	172	928	983	370
586	431	606	303	69	409	298
444	-108	648	93	536	99	534
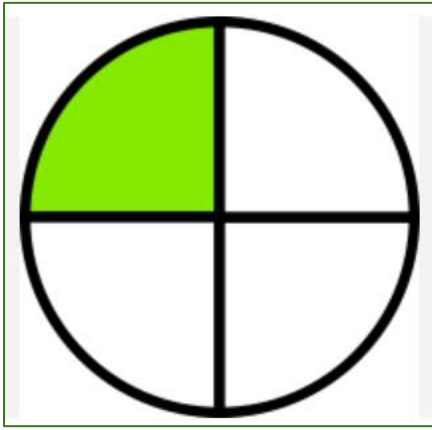
One out of four parts is shaded here.

$$\frac{1}{4}$$
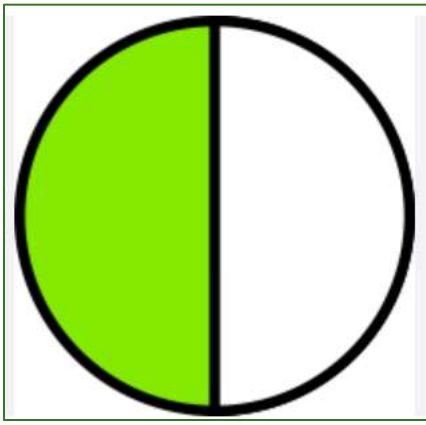
One out of two parts is shaded here.

$$\frac{1}{2}$$
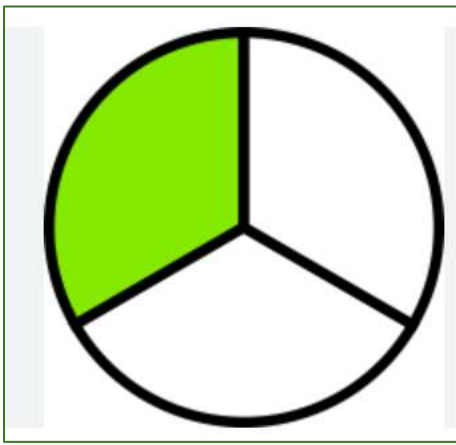
One out of three parts is shaded here.

$$\frac{1}{3}$$

Exercise 1. Shade the fractions as given below each picture.

a. $\dfrac{7}{8}$

b. $\dfrac{6}{10}$

c. $\dfrac{4}{6}$

d. $\dfrac{4}{5}$

e. $\dfrac{2}{4}$

f. $\dfrac{4}{7}$

g. $\dfrac{2}{6}$

h. $\dfrac{11}{12}$

i. $\dfrac{5}{9}$

j. $\dfrac{1}{5}$

k. $\dfrac{9}{10}$
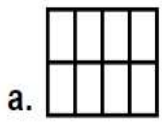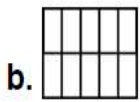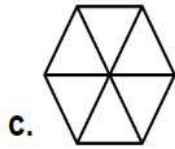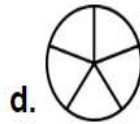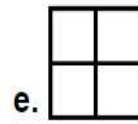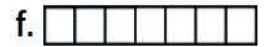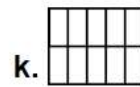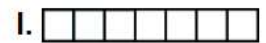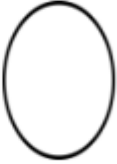
l. $\dfrac{2}{7}$

Exercise 2 Write the fractions for each of the following.

a.

b.

c.

d.

e.

f.

g.

h.

i.

j.

k.

l.

Exercise 3 Divide the shapes into equal parts, and color some of the parts, to show the fractions

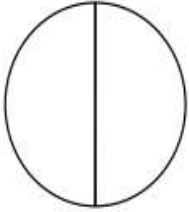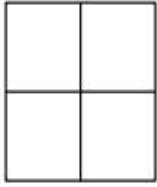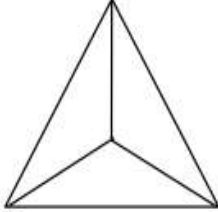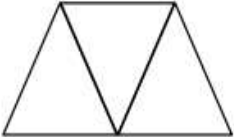|			
a. $\frac{1}{2}$	b. $\frac{2}{2}$	c. $\frac{1}{3}$	d. $\frac{3}{4}$
e. $\frac{3}{3}$	f. $\frac{1}{6}$	g. $\frac{4}{5}$	h. $\frac{3}{4}$
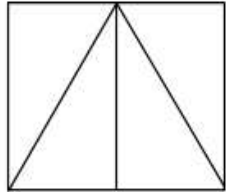
REMEMBER
½ = half
1/3 = one third
¼ = one fourth or one quarter

Exercise 4 - Circle the correct answer for each shape

Halves / Thirds / Quarters	Halves / Thirds / Quarters	Halves / Thirds / Quarters
Halves / Thirds / Quarters	Halves / Thirds / Quarters	Halves / Thirds / Quarters

Test 1.

Q1. What is three times six?_____

Q2. I have one dozen apples with me. So that means I have ------- apples with me.

Q3. What is 24 + 24 = _____

Q4. What is the largest two-digit number? _____-

Q5. Write one hundred and thirty-six in the number form? _____
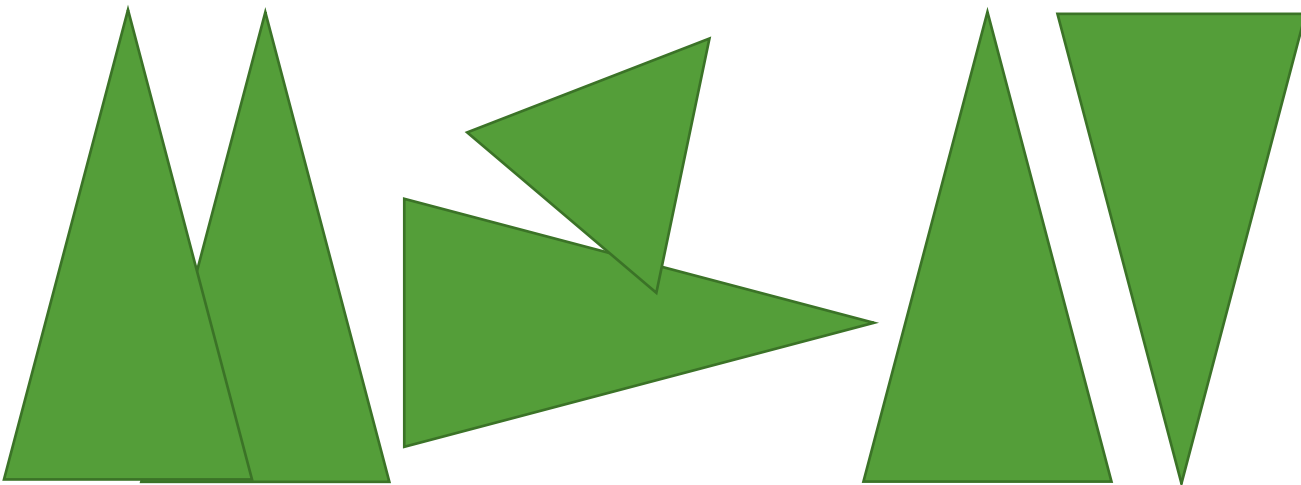
Q6. which number comes after 889? _____

Q7. what is 4+4+4+4+4+4 = _____

Q8. What day comes after Thursday? _____

Q9. which is the month after July? _____

Q10. Complete the sequence. 34,37,40, ___ ,___ ,___ .

Q11. Count the Triangles in the picture below. _____

Q1. what is five times eight?_____

Q2. I have three pairs of white shoes with me. So that means I have --------

shoes with me.

Q3. what is 30 + 42 = _____

Q4. what is the smallest three-digit number? _____-

Q5. write seven hundred and forty-nine in the number form? _____
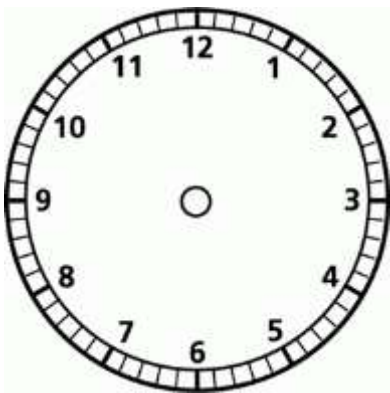
Q6. which number comes after 709? _____

Q7. what is 10+1+10+1+10= _____

Q8. What day comes before Sunday? _____

Q9. which is the month after August? _____

Q10. Complete the sequence. 35.45.55 ____, ___, ___.

Q11.Draw 8 'o' clock on the clock below.

Test 3.

Q1. Which number comes in between 719 and 717? _____

Q2. What is 80+4= _____

Q3. Which is the first month of the year? _____

Q4. How many days are there in July? _____

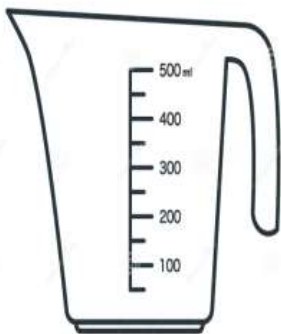Q5. Complete the sequence. 34,37,40, ____ ,____ ,____ .

Q6. What is 30 *0 =_____

Q7. There are 12 chairs and 10 desks in my class. What is the total number of pieces of furniture in my class? _____

Q8. What is 6+10+6+10 = _____

Q9. What is the largest three -digit number? _____-

Q10. Write six hundred and eleven in the number form? _____.

Q11. Shade up to 400 ml in the jar below.

Test 4

Q1. Which number comes in between 653 and 651? _____

Q2. What is length of this rope? = ___

Q3. Complete the following sequence?

| 93 | | 91 | | | 88 | | 86 | | 84 |

Q4. Which is the sixth month of the year? _____

Q5. How many days are there in December? _____

Q6. There are 22 birds sitting on the branch of a tree. 12 more joined. How many are there in total?

	T	O

Q

Q7. How many sides are there is this figure =_____?

Q8. What is the largest 4-digit number? _____
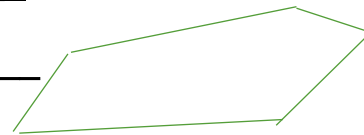
Q9. In a class 25 chairs can be placed. But Tom has only 18 chairs. How many more does he need? _____

Q10. 9-5 = _____

Q11. What needs to be taken away from 14 to make it equal to one dozen.

Test 5

Q1. Draw 16 marbles on this block.

Q2. How many hours are there in one day? _____

Q3. what is 2 added to 892? _____

Q4. Arrange the following descending order. 274,241,231,252 ,212

_____

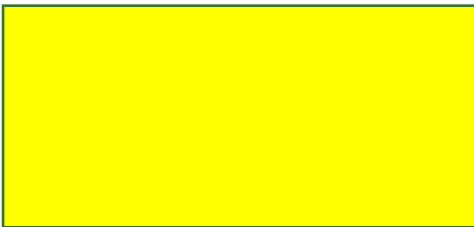Q5. what is the measure of one side of your pencil box ? _____

Q4. Write 594 in words

``_____

Q5. Complete the sequence. Mon, Tue, Wed ____ ,___ ,___ .

Q6. 2 * 6 =_____

Q7. 12+ _____ = 14

Q8. what is one greater than 100? _____

Q9. what is the measure of the sides of this rectangle?

Q10. How many months are there in a year?

Q11. Add

	4	5	0
+	4	1	8

Test 6

Q1. Write eight hundred and forty- six in the number form? _____

Q2. Which number comes after 899? _____

Q3. What should be added to 8 to get 10? _____

Q4. How many days are there in a fortnight? _____

Q5. Arrange the following descending order. 600 , 679   , 688   , 621

_____

Q6. Write 712 in words. _____

Q7. Do as directed.

	7	9	8
-	4	5	3

	2	6	8
+	4	1	0

	4	2	4
+	1	0	5

Q8. We can measure the

size of a wall by using kilograms, meters or liters.

Q9. Arrange in Ascending order. 333.444, 111, 999 ,222

_____-

Q10. Tick the largest cylinder.

Q11. How many tens make 80? _____

Test 7

Q1. What is ten times ten?_____

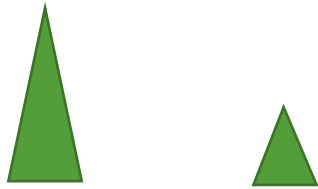Q2. I have 10ml water in one tube and 25 ml is another. What is the total I quantity I have together? _____

Q3. What is 12 + 52 = _____

Q4. The difference between 9 and 6 is _____ .

Q5. In one box there are 729 marbles. 318 marbles were lost. How many marbles are left?

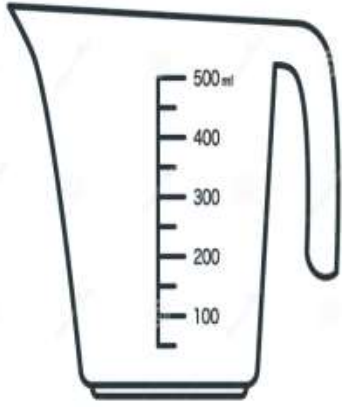|	T	O

Q6. Draw the smaller of the triangle.

Q7. Arrange in Ascending order. 565, 231, 453, 321, 125

Q8. Shade upto 450 ml.   **Q9. Subtract**

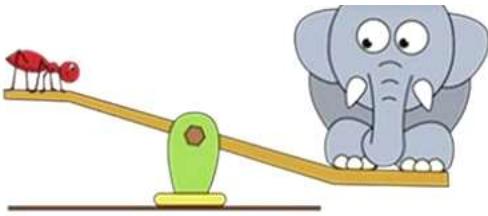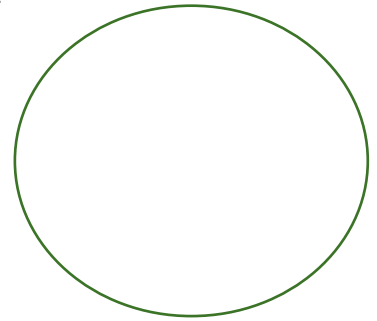|	8	1	3
-	4	5	3

Test 8

Q1. Circle the heavier one   Q2. Shade one quarter of the cirle and write the fraction it represents.

Q3.what is 7 times 3? _____

Q4. What is the one more than largest 2-digit number? _____

Q5. In a class 25 balloons can be hung. But Tim has only 10 balloons . How many more does he need? _____

Q6 The difference between 25 and 25 = _____

Q7. What needs to be taken away from 10 to make it equal to zero?

Q8. How many minutes are there in one hour ? _____

Q9. What is 5 added to 305? _____

Q10. Shade one half of the triangle.

$\frac{1}{2}$

Q11. How many socks in 8 pairs of socks?_____-

Over to book Four