Numeracy
Level 4

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Vijaya Sarma

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Numeracy book -4

Level 4

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ACKNOWLEDGEMENT

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

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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.

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.
- 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 objectives of Level 4 are to assist learners to

- *Recognize and write numbers [0-9999]*
- *Sequence numbers [0-9999]*
- *Count backward [0-9999]*
- *Demonstrate an understanding of place value and recognize Thousands, Hundreds, Tens, and ones*
- *Add on columns and write in words*
- *Identify value of a number a put >, < or = sign [0-9999]*
- *Recall & use multiplication for the 2, 5, 10, 3,4,6 tables*
- *Add by carrying over*
- *Subtract without carrying over*
- *Solve simple word problems with statements [addition and subtraction]*
- *Interpret simple data*
- *Demonstrate understanding of units of measurement in terms of Length, Weight, and Volume.*
- *To do simple conversion of basic units of measurements [mm, cm, m, km; mg, gm, kg; ml, l.]*
- *Recognize and draw basic 2d and 3d geometric shapes.*
- *Understand Symmetry and be able to draw lines of Symmetry of simple figures*
- *Tell time to the hour, half past, quarter past, quarter to, and draw the correct time too.*
- *Demonstrate an understanding of pattern sequencing with pictures and numbers*
- *Demonstrate understanding of the Concept of the Calendar in terms of months, and weeks and answer simple questions on any given data about a Calendar.*
- *Understand and write ordinal numbers [0-50]*
- *Identify proper, 3, fraction; convert mixed number to an improper fraction and reduce to lowest terms.*

Content   Page NO

Unit 1. Numeration

NUMBER CHART 1-1000 - read aloud

100	200	300	400	500	600	700	800	900	1000
1001	1002	1003	1004	1005	1006	1007	1008	1009	1010
1011	1012	1013	1014	1015	1016	1017	1018	1019	1020
1021	1022	1023	1024	1025	1026	1027	1028	1029	1030
1031	1032	1033	1034	1035	1036	1037	1038	1039	1040
1041	1042	1043	1044	1045	1046	1047	1048	1049	1050
1051	1052	1053	1054	1055	1056	1057	1058	1059	1060
1061	1062	1063	1064	1065	1066	1067	1068	1069	1070
1071	1072	1073	1074	1075	1076	1077	1078	1079	1080
1081	1082	1083	1084	1085	1086	1087	1088	1089	1090
1091	1092	1093	1094	1095	1096	1097	1098	1099	1100

SAY AND FILL IN

1001	1002		1004		1006	1007		1009	1010
1011		1013		1015	1016	1017	1018		1020
	1022	1023			1026		1028	1029	
1031		1033		1035		1037		1039	1040
1041		1043		1045		1047	1048		1050
1051	1052	1053	1054		1056		1058	1059	
1061		1063		1065		1067	1068		1070
1071		1073		1075		1077		1079	1080
1081	1082		1084		1086	1087			1090
1091		1093		1095		1097	1098		1100

1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
5100	5200	5300	5400	5500	5600	5700	5800	5900	6000
6100	6200	6300	6400	6500	6600	6700	6800	6900	7000
7100	7200	7300	7400	7500	7600	7700	7800	7900	8000
8100	8200	8300	8400	8500	8600	8700	8800	8900	9000
9100	9200	9300	9400	9500	9600	9700	9800	9900	10000

See and Write	*See and Write*
1000 = One Thousand	*1000 =*
10000 = Ten thousand	*10000 =*

Fill in the gaps

1000	=	
10000	=	
20000	=	
30000	=	
40000	=	
50000	=	
60000	=	
70000	=	
80000	=	
90000	=	
100000	=	

Try these

One Thousand and thirty nine	=
Two thousand three hundred and eighty nine	=
Five hundred and twelve	=
Eight Thousand four hundred and sixty three	=
Nine thousand and eleven	=

Six Thousand six hundred and one	=
Six thousand four hundred and nine	=
Nine hundred and nine	=
TwoThousand seven hundred and sixty	=
One thousand and eleven	=

WRITE from 2867 till 2917

Unit 2 Number Names –
Write the number names of the following

5678	=	
1065	=	
9034	=	
3219	=	
9078	=	
7532	=	
6109	=	
8023	=	
6531	=	
4832	=	

Write the numeral for the following.

	=	Eight Thousand four hundred and one
	=	One thousand and one
	=	Three hundred and seventy eight
	=	Seven hundred and eleven
	=	Nine thousand and nineteen
	=	Five thousand three hindred and seventy two
	=	One thousand and forty
	=	Ten thousand and eleven
	=	Four thousand nine hundred and thirty four
	=	Nine thousand eight hundred and five

Write the number names of the following

7027	
4290	
3478	
3012	
4256	
6489	
4789	
9012	
5412	
5098	

Write the numeral for the following

	Three thousand and thirty
	Seven thousand four hundred
	Eight Thousand nine hundred and twelve
	Nine thousand six hundred and fourteen
	One thousand and eleven
	Three thousand seven hundred and thirty
	Nine Thousand three hundred and twelve
	Two thousand forty
	Five thousand and one
	Ten thousand

Remember

1oo = 10*10

1000 = 100*10

10000 = 1000*10

100000=10000*10

Try these

    1. 4o tens = _____

    2. 75 tens = _____

    3. 32 hundred = _____

    4. 67tens =_____

    5. 40 thousand =_____

Can you do this! Complete the equation.

    1. 597 = 5hundreds + 9tens + 7ones

       597 = 59tens + 7ones

       597 = 597ones

    2. 608 = __hundreds + __ tens + __ones

       608 = __tens + __ones

       608 = ___ones

    3. 945 = __hundreds + __ tens + __ones

       945 = __tens + __ones

       945 = ___ones

    4. 1685 =__ thousands + __hundreds + __ tens + __ones

       1685 = __hundreds __tens + __ones

       1685 = __tens + __ones

       1685 = ____ones

    5. 9021 =__ thousands + __hundreds + __ tens + __ones

       9021= __hundreds __tens + __ones

       9021 = __tens + __ones

       9021= ____ones

6. I am a 3 digit number. I have a 9 in my ones place. I have a 7 in my hundreds place. I have an 8 in my tens place. What number am I? _____. Write in words. _____

7. I am a 4 digit number. I have a 3 in my ones place. I have a 2 in my hundreds place. I have a 4 in my tens place and I have a 7 in my thousands place. What number am I? _____ ˙.
Write in words. _____

8. I am a 5 digit number. I have a 5 in my ten thousand places. I have a 2 in my thousands place. I have a 7 in my hundreds place and I have a 3 in my tens place and a 9 in my one's place. What number am I? _____ ˙.
Write in words. _____

9. Sam formed a three-digit number using number magnets. Based on the clues given below.
2nd digit number is the 4 less than 1
The ones place value is number between 3 and 5.
The hundreds place value is the sum of the 5 and 3.
The number is _____.
Write in words. _____ ˙

10. 400 + 40 + 40,000 + _____ + 4 = 45,444

11. 7 + 0 + 600 + _____ + 20,000 = 26,607

12. 5 + 100 + 8,000 + 40 + _____ = 98,145

13. 69452=60000+_____ +400+_____+50+___

14. 3 + 600 + 6,000 + 10 + _____ = 77,613

15. 200 + 10 + _____ + 4000 + 0 = 44,210

16. 78234 =

17. 600 + 60,000 + 6 _____ + 50 = 62,656

18. 90850=

19. 76423=

20. 6 + 700 + 2,000 + _____ = 92,706

Unit 3 - Th, H, T, O - Thousands, Hundreds, Tens, and Ones

Look at the chart below:

Thousands	Hundreds	Tens	Ones
7	8	4	2

Thousands	Hundreds	Tens	Ones
3	6	8	4

Thousands	Hundreds	Tens	Ones
9	1	2	6

Number			
7	8	4	2

Number			
3	6	8	4

Number			
9	1	2	6

Can you shade the thousands, hundreds, tens, and one's column according to the number.?

Thousands	Hundreds	Tens	Ones
6	2	7	4
Number			
6	2	7	4

Thousands	Hundreds	Tens	Ones
7	9	3	1
Number			

Thousands	Hundreds	Tens	Ones
3	8	5	4
Number			

Fill in the Th, H, T, O columns as per number given.

Thousands	Hundreds	Tens	Ones
7	2	1	1
Number			

Thousands	Hundreds	Tens	Ones
1	0	7	4
Number			

Thousands	Hundreds	Tens	Ones
3	9	0	0
Number			

Fill in the Th, H, T, O columns as per number given.

Thousands	Hundreds	Tens	Ones
1	0	0	8
Number			

Thousands	Hundreds	Tens	Ones
3	4	2	1
Number			

Thousands	Hundreds	Tens	Ones
9	8	6	3
Number			

Fill in the Th, H, T, O columns as per number given.

Thousands	Hundreds	Tens	Ones		Thousands	Hundreds	Tens	Ones		Thousands	Hundreds	Tens	Ones
5	5	6	7		6	5	0	4		2	0	6	0
Number					*Number*					*Number*			

Unit 4 -Addition in columns

Add-in columns and write the answer in words

T	H	T	O
2	3	4	1
5	1	1	2
7	4	5	3

Seven Thousand four hundred ans fifty three

T	H	T	O
	1	6	5	4
+ 4	5	4	2

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

T	H	T	O
6	4	0	2
+ 2	4	1	0

T	H	T	O
7	3	3	1
	1	0	8

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

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

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

T	H	T	O
6	5	4	2
2	4	2	1

T	H	T	O
	7	2	2	5
+		7	5	2

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

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

Add in columns and write the answer in words

T	H	T	O
2	3	7	4
4	9	2	2

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

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

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

T	H	T	O
6	4	2	1
	5	0	0

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

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

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

T	H	T	O
3	6	2	4
2	1	2	1

T	H	T	O
7	2	2	5
+ 2	5	4	2

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

T	H	T	O
3	2	0	1
+ 2	6	9	0

TRY THESE
Add in columns and write the answer in words

T	H	T	O
2	3	8	2
6	4	1	1

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

	T	H	T	O
		6	0	5	3
+			3	4	4

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

T	H	T	O
6	7	3	0
2	0	6	7

	T	H	T	O
		7	9	0	2
+	2	0	8	1

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

	T	H	T	O
		6	0	0	0
+	4	8	9	9

Try this.
1. What is one more than 999?
2. What is one less than 1000?
3. what is 100+100+100
4. what is 3 times 100?
5. which is greater than 3000 or 299+1?
6. Which is the smallest two-digit number?
7. Which is the largest three-digit number?
8. What is one larger than the smallest one-digit number?
9. Which is the largest four-digit number?
10. What is one less than 8989?
11. What is 100 more than 1000?
12. What is 4 times 100?

Add in columns and write the answer in words

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

Four Thousand Nine Hundred and ninety six

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

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

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

Add in columns and write the answer in words

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

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

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

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

Add in columns and write the answer in words

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

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

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

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

Try these
Add in columns and write the answer in words.

Problem 1

Th	T	H	T	O
	7	4	4	2
	3	1	3	1
1	0	5	7	3

Ten Thousand five hundred and seventy three

Problem 2

Th	T	H	T	O
	8	0	0	2
+	6	5	4	2

Problem 3

Th	T	H	T	O
	7	0	5	4
+	6	6	8	5

Problem 4

Th	T	H	T	O
	3	8	0	2
+	9	6	9	0

Try these.

1. What is 1000+1000+1000 =
2. Multiply 3 by 40 and add 1000 to the product =
3. What is one less than 800 +800 =
4. What is 350+350 +350?
5. What is 900 less than 100?
6. What is the smallest single-digit number?
7. What is 100 less than 100?
8. What is 3000 added to 3000?
9. Which is the largest three-digit number?
10. What is the largest four-digit number?

Do you know the numeral for?
A decade is = 10
A century is = 100

WHAT COMES AFTER

2770	
1004	
9045	
5677	
4567	
3679	
9565	
3005	
5612	
4589	

3359	
1593	
9634	
6266	
5156	
4044	
788	
3594	
6201	
5178	

WHAT COMES AFTER

3815	
2049	
9956	
6722	
5612	
4500	
1244	
4050	
6657	
5634	

4404	
2638	
1056	
7311	
6201	
4044	
1833	
4639	
7246	
6223	

Fill in the gaps.

4567	4568	4569					4574		4576		
5925	5926	5927									
1418		1416			1413		1411				
6659		6657			6654		6652		6650		
7890		7888		7886							
3715		3713		3711							
7448		7446			7443		7441				
5466	5467	5468	899			899		899		899	899
9000	8000				4000						

Fill in the gaps.

5590	5589	5588						
6880	6890							
9545	9555	9565						
9012	9013							
8440	8430							
9012	9013							
3280	3290							

Fill in the gap.

6788		6790	7466		7468
9062		9064	9740		9742
9056		9058	10000		10002
7669		7671	4536		4538
8689		8691	10345		10347
6543		6545	2356		2358
4532		4534	1287		1289
7812		7814	4932		4934
6754		6756	4211		4213
8922		8924	6789		6791
589		591	1811		1813
6345		6347	4617		4619
8899		8901	7224		7226
3421		3423	6201		6203
56678		56680	702		704
342		344	1104		1106
8723		8725	7456		7458
4316		4318	5721		5723
5490		5492	6914		6916
3451		3453	4188		4190

1813		1834
4619		4961
7226		8226+100
6203		6230
704		7040
1105		1150
2989		2998
5795		4795+1010
1623		1063+326
6245		6245*1

1246		1724
4052		4025
6689		6649+100
6230		3260
4667		4667*0
110+1150		1150
2422		2998
4795+1010		5795
50+50		100
7890		9854

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

7277		1570	4557		6321
3149		2423	564		2193
2234		3767	6754		1278
789+1		790	36+36		6013
4201		2049	60*4		3245
5221		894	4079		4265
611		137	611		137
913		931	6801		778
2145		2089	3648		3957
7083		1089	5083		1189

1. Seven times seven is equal to thirty plus five.
2. 6 times 100 is equal to six thousand.
3. Nine times twelve is equal to Twelve times nine.

700 + 7		701
2398		2389
3001		3010
3601+601		6013
20+20+20		222

What about these? Can you solve them.!

1. What is 1000+400+40 =
2. What is 3000 +200+10 =
3. What is 7000+100+7 =
4. The successor of 78 =
5. The successor of 4561 =
6. The predecessor of 35 =
7. The predecessor of 1 =
8. One less than the successor of 4567 =
9. One less than the successor of 100 =
10. One more than the predecessor of 900 is =

If you add one to any number you will get its successor. That means the number that comes immediately after it.
Egg
1 added to 56 = 57
1 added to 7891 = 7892

If you take away one to any number you will get its predecessor That means the number that comes immediately before it e.g.
1 take away from 56 = 55
1 take away from 7891 = 7890

Unit 6 - Repeated Addition [MULTIPLICATION]

On a Number line, we can skip count to add and multiply.
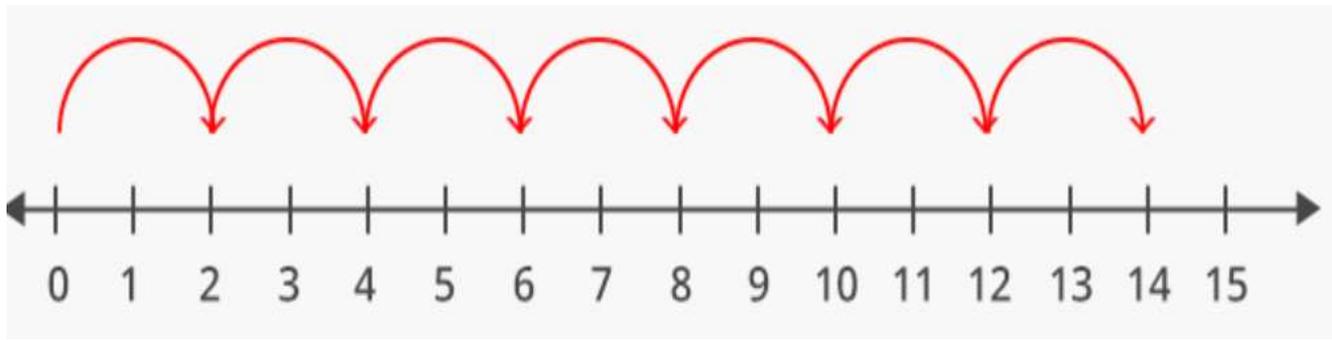
SEE THE PATTERNS – 2 ,4,6,8,

Similarly

3	*	1	=	3		4	*	1	=	4		6	*	1	=	6
3	*	2	=	6		4	*	2	=	8		6	*	2	=	12
3	*	3	=	9		4	*	3	=	12		6	*	3	=	18
3	*	4	=	12		4	*	4	=	16		6	*	4	=	24
3	*	5	=	15		4	*	5	=	20		6	*	5	=	30
3	*	6	=	18		4	*	6	=	24		6	*	6	=	36
3	*	7	=	21		4	*	7	=	28		6	*	7	=	42
3	*	8	=	24		4	*	8	=	32		6	*	8	=	48
3	*	9	=	27		4	*	9	=	36		6	*	9	=	54
3	*	10	=	30		4	*	10	=	40		6	*	10	=	60
3	*	11	=	33		4	*	11	=	44		6	*	11	=	66
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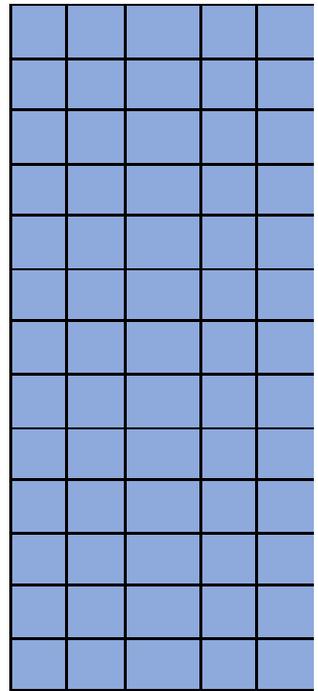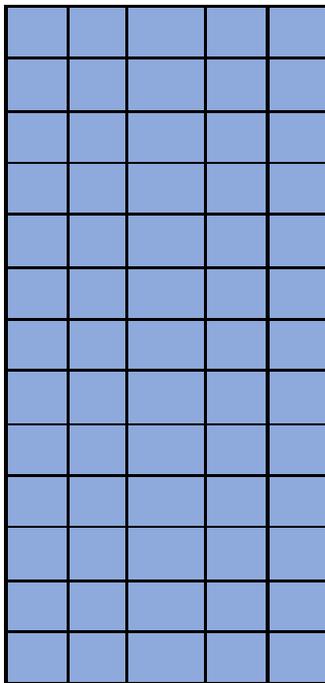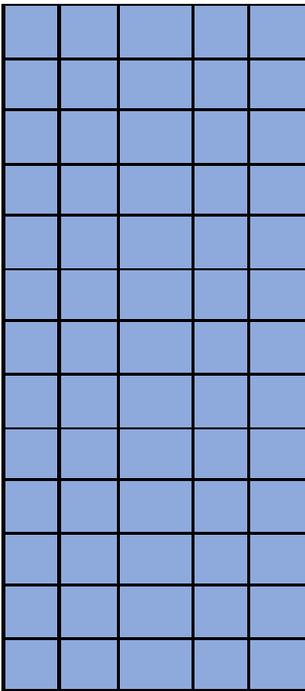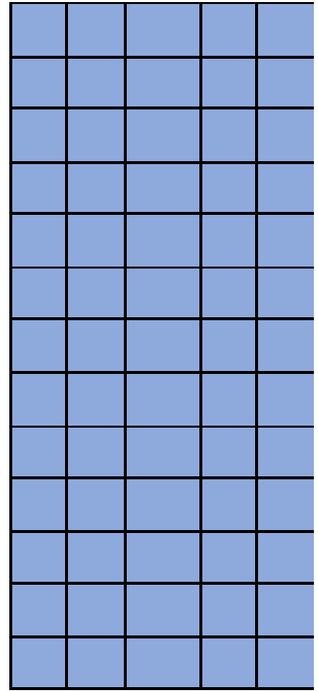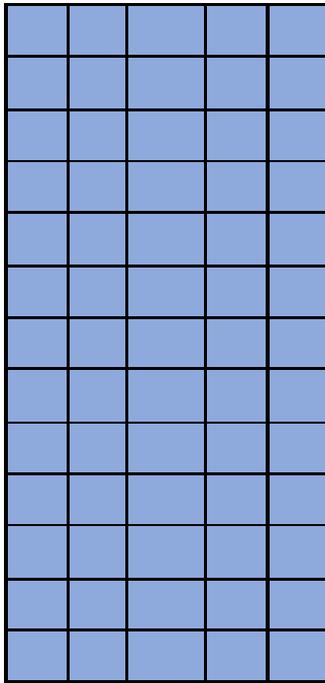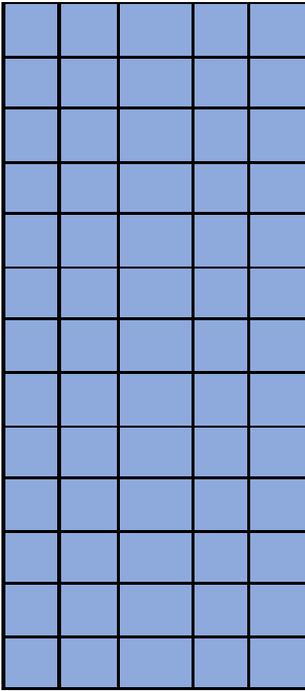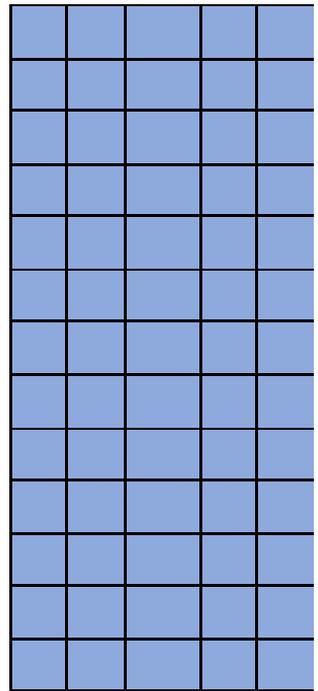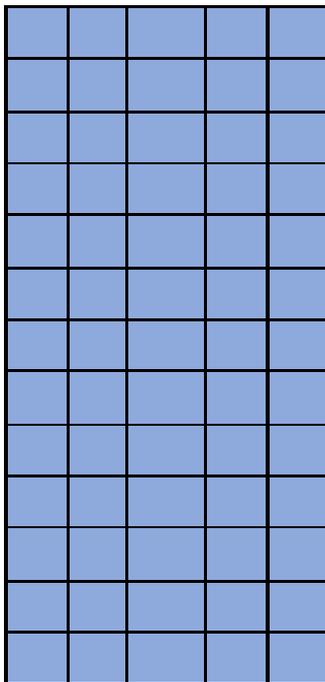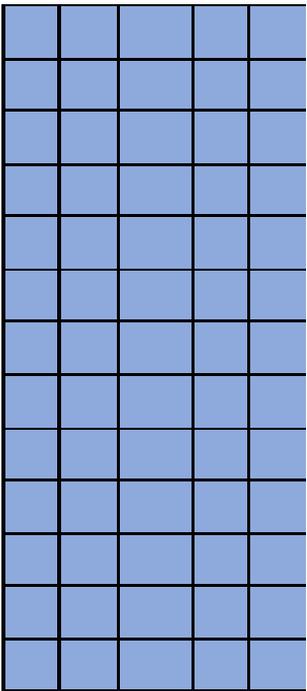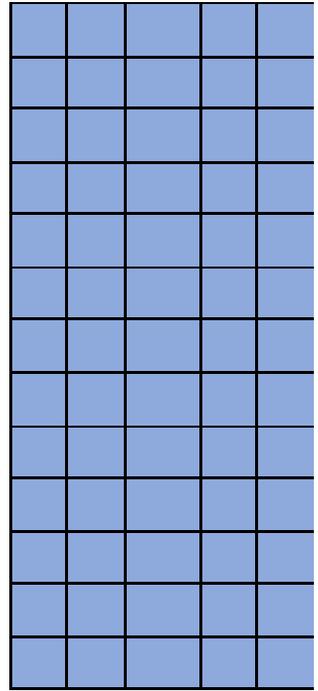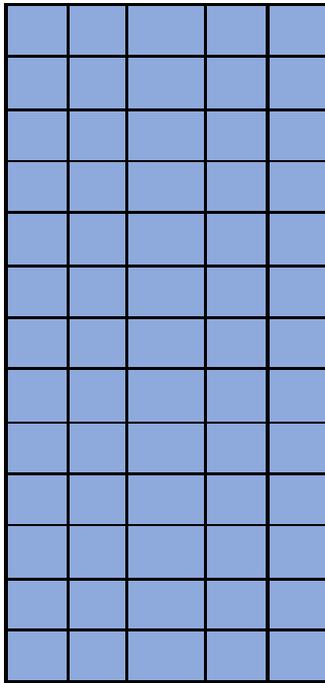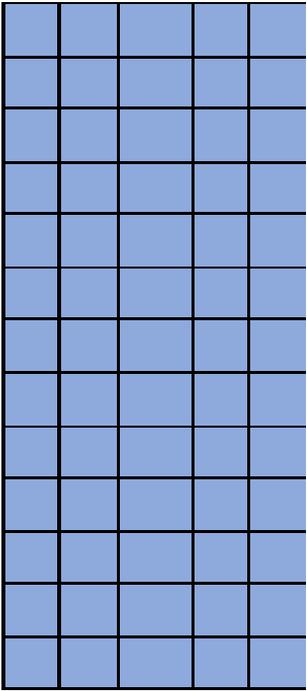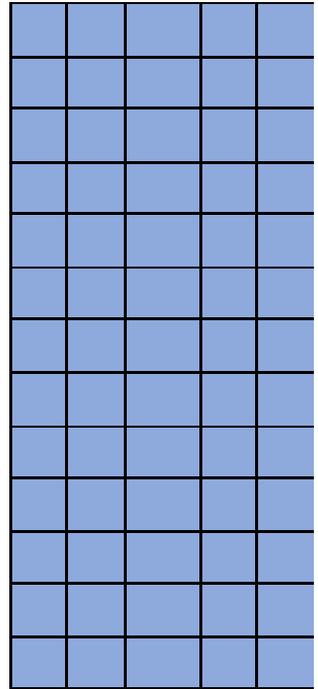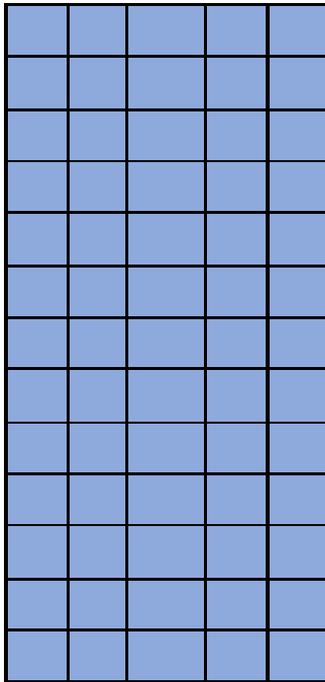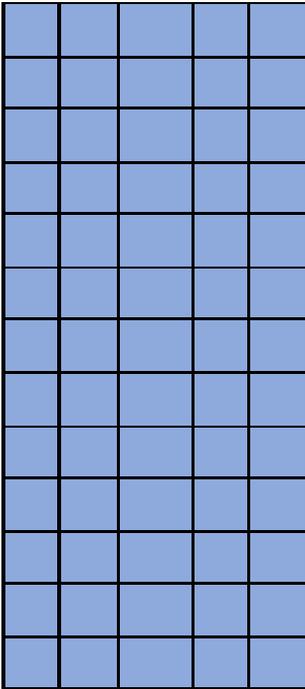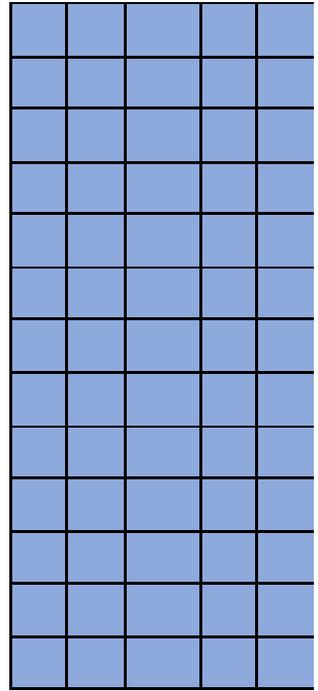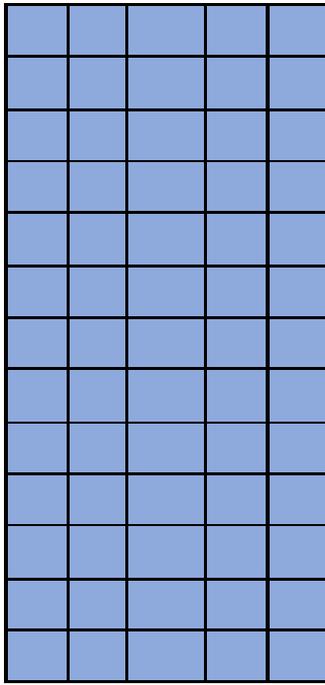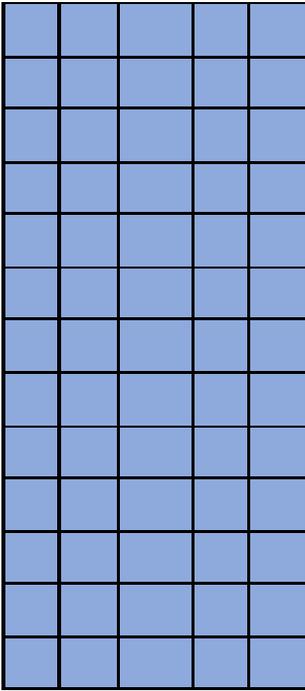
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5	*	2	=	10
5	*	3	=	15
5	*	4	=	20
5	*	5	=	25
5	*	6	=	30
5	*	7	=	35
5	*	8	=	40
5	*	9	=	45
5	*	10	=	50
5	*	11	=	55
5	*	12	=	60

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

Write the tables of 2,3,4,5,6,10 each 3 times

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			=						=						=	

2	*	1	=			1	*	8	=			6	*	7	=
3	*	2	=			4	*	6	=			10	*	3	=
10	*	3	=			3	*	5	=			12	*	4	=
5	*	4	=			2	*	10	=			3	*	10	=
4	*	5	=			5	*	12	=			4	*	5	=
3	*	6	=			10	*	10	=			8	*	6	=
2	*	7	=			7	*	4	=			12	*	3	=
1	*	8	=			2	*	5	=			10	*	8	=
0	*	9	=			1	*	10	=			9	*	9	=
10	*	10	=			10	*	0	=			8	*	3	=
2	*	11	=			3	*	6	=			2	*	11	=
4	*	12	=			4	*	9	=			6	*	12	=

2	*	12	=			3	*	4	=			6	*	5	=
3	*	10	=			4	*	9	=			10	*	2	=
10	*	2	=			8	*	10	=			12	*	1	=
5	*	4	=			12	*	0	=			10	*	5	=
4	*	8	=			10	*	6	=			5	*	12	=
3	*	6	=			3	*	10	=			6	*	6	=
2	*	2	=			2	*	12	=			3	*	4	=
1	*	8	=			1	*	10	=			12	*	2	=
0	*	9	=			0	*	4	=			8	*	6	=
10	*	4	=			3	*	9	=			9	*	3	=
2	*	12	=			2	*	10	=			3	*	11	=
4	*	5	=			6	*	9	=			2	*	10	=

Unit 7 -ADD BY CARRYING OVER

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

Seventy One		Ninety		Fifty Four		Sixty Three

	T	O			T	O			T	O			T	O
	6	7			3	4			7	1			8	7
+	2	5		+	3	7		+	1	5		+	1	7

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

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

ADD BY CARRYING OVER

	T	O
	5	8
+	2	5

	T	O
	6	8
+	1	7

	T	O
	2	7
+	5	9

	T	O
	2	9
+	1	9

	T	O
	6	2
+	1	8

	T	O
	5	9
+	1	8

	T	O
	7	1
+	4	8

	T	O
	3	5
+	1	6

	T	O
	9	7
+		7

	T	O
	1	0
+	6	0

	T	O
	7	5
+	1	8

	T	O
	6	3
+	2	9

ADD BY CARRYING OVER

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

Four Hundred and Seventy one

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

Six Hundred and Twenty Six

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

Seven Hundred abd Fifty Four

H	T	O
	1	
6	2	8
+ 2	6	8
8	9	7

Eight Hundred and Ninety Seven

H	T	O
4	7	6
+ 3	1	5

H	T	O
5	8	6
+ 1	4	3

H	T	O
2	4	9
+ 3	1	5

H	T	O
1	4	6
+ 2	0	8

H	T	O
3	0	4
+ 4	1	8

H	T	O
5	4	8
+ 3	4	7

H	T	O
1	5	8
+ 5	4	3

H	T	O
4	8	6
+ 1	0	8

H	T	O
8	8	4
+		8

H	T	O
7	0	9
+ 1	4	7

H	T	O
5	5	8
+ 1	2	8

H	T	O
6	5	9
+ 1	0	8

ADD BY CARRYING OVER

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

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

	H	T	O
	2	9	9
+		3	0

	H	T	O
	9	4	6
+		8	2

Two Hundred and eighty five

Nine Hundred and fifty five

	H	T	O
	0	7	2
+		1	5

	H	T	O
	4	0	0
+	1	2	2

	H	T	O
	2	5	2
+		9	6

	H	T	O
	7	8	2
+		3	4

	H	T	O
	4	9	6
+		2	1

	H	T	O
	2	6	3
+		6	0

	H	T	O
	2	3	2
+		8	5

	H	T	O
	2	8	2
+		6	4

	H	T	O
	1	5	6
+		3	1

	H	T	O
	2	3	0
+		5	0

	H	T	O
	3	9	3
+	2	2	2

	H	T	O
	3	9	4
+	2	3	5

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

One hundred and thirty four

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

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

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

Take away

T	H	T	O
9	5	7	8
3	5	7	0

	T	H	T	O
	7	8	8	2
-	5	6	6	1

	T	H	T	O
	9	0	0	0
-	8	0	0	0

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

T	H	T	O
8	9	6	7
7	7	6	1

	T	H	T	O
	5	6	6	1
-	4	6	3	1

	T	H	T	O
	7	8	8	8
-	2	3	5	3

	T	H	T	O
	9	9	9	9
-	8	7	6	4

T	H	T	O
6	7	3	0
2	0	6	7

	T	H	T	O
	7	9	0	2
-	2	0	8	1

	T	H	T	O
	7	0	4	5
-	3	7	2	0

	T	H	T	O
	6	0	0	0
-	4	8	9	9

T	H	T	O
7	4	4	2
4	3	2	2

Th	T	H	T	O
	8	0	0	2
-	8	0	0	1

Th	T	H	T	O
	9	8	5	4
-	6	6	4	2

Th	T	H	T	O
	3	8	9	2
-	3	6	9	0

Take away

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

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

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

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

Unit 9 - WORD PROBLEMS

1. There are 6 pens in one box and 2 in the other box. How many pens in all?

	T	O
Pens in one box		6
Pens in another box		2
Total no. of pens in all		8

2. Numa has 4 apples, Baga has 3 apples. How many apples do they have in all?

	T	O

3. In the Stock room there are 4 red flags, 3 blue flags and 2 yellow flags. How many flags are there in all?

	T	O

4. Dait had 15 marbles. Vipar gave him 7 more. How many marbles does Dait have now?

	T	O

5. Ubby received two boxes of sweets from his family His friends gave him 12 boxes. How many does Ubby have in all?

	T	O

6. Palo had 12 red balls with him. Yani gave him 13 more. How many does Palo have in all?

	T	O

7. Eswa opened the color pens box which had 24 colors pens. Fita opened hers and found 36 pens inside. They decided to put all the pens together and share them. So how many do they have together?

	T	O

8. In a class there were 28 pupils in the red house, 48 in the blue house and 36 in the green house. How many pupils together in the class now?

	T	O

Simple take away word problems

1. Vipar had 9 dolls with her. Her sister took 2 from that. How many does Vipar have left now?

	T	O
Dolls with Vipar		9
Dolls taken by her sister	-	2
Dolls left with Vipar		7

2. Baga had 17 red pencils with him. He lost 4 of them. How many does Baga have left with him now?

	T	O

3. Ciel had 9 storybooks. Ewsa had 7 storybooks. How many more id Ciel have?

	T	O

4. 15 birds were sitting in a tree. And 4 flew away. How many are left on the tree?

	T	O

5. You have 19 cookies with you. You ate 7 of them. How many have you left?

	T	O

6. Hanu cut her cake into 24 pieces. She gave 10 pieces to her friends. How many does she have left?

	T	O

7. The school ground had 36 neem trees. They wanted 48 trees in all. How many more should they plant more ?

	T	O

8. Yani had 48 marbles with her. Her brother took 12 from her. How many has Yani left with her?

	T	O

1. There were 18 eagles sitting on tree. Some flew away. There are now 6 left. How many flew away?

	T	O

2. Some tadpoles were sitting on bank of the river. 8 jumped into the river. 4 were left?

	T	O

3. Baga had 24 unopened gift boxes. He opened 32 of them. How many were there in total?

	T	O

4. In the penguin show, 27 penguins appeared in the first act. 31 appeared in the second act. How many penguins performed on the show together?

	T	O

5. A pet shop had 18 parrots. He managed to sell 6 parrots. How many were left with him?

T	O

6. In a fruit basket there were 14 oranges, 12 apples and 32 grapes. How many pieces of fruits all together?

T	O

7. In a farm, there were 26 chicks, 47 hens and 4 rabbits. How many animals together?

T	O

8. Numa took 63 steps first. Then he too 37 more. How many steps did he take in total?

T	O

Unit 10 -Data handling

Tally marks are a quick way of recording the given data by grouping it in bunches of five. The first four tallies are marked vertically and the 5th tally in a bunch is marked diagonally across the four tallies.

I	II	III	IIII	IIII
1	2	3	4	5

IIII I	IIII II	IIII IIII	IIII III	IIII IIII
6	7	8	9	10

[1] The following table shows the fruits that were sold yesterday at the market.

Q1. How many pears were sold? _____

Q2. How many fruits were sold in all? _____

Q3. How many bananas were sold? _____

Q4. How many pieces of water melon were sold? _____

Q5. How many pears were sold? _____
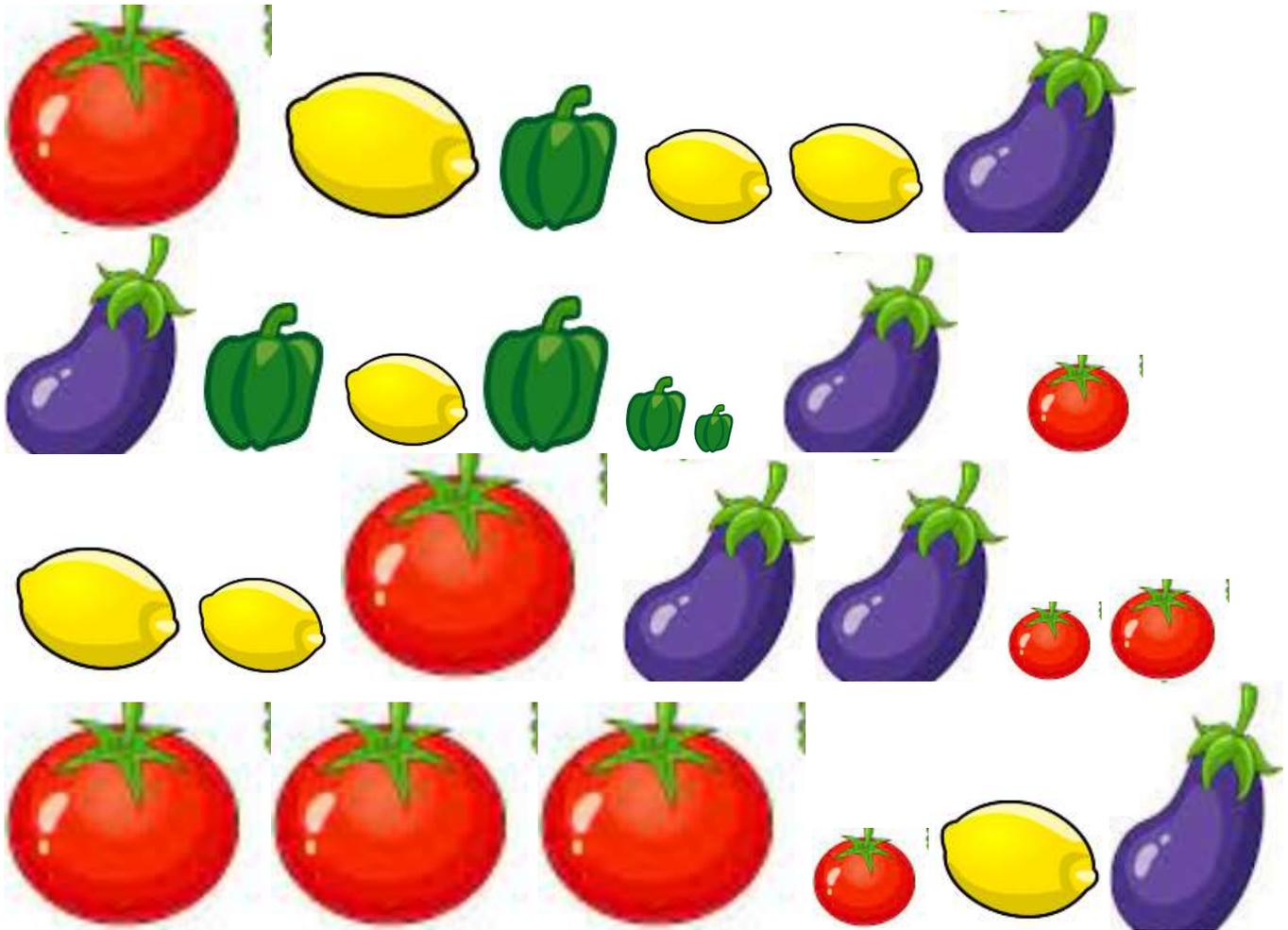
Write the tally marks for the following vegetables.
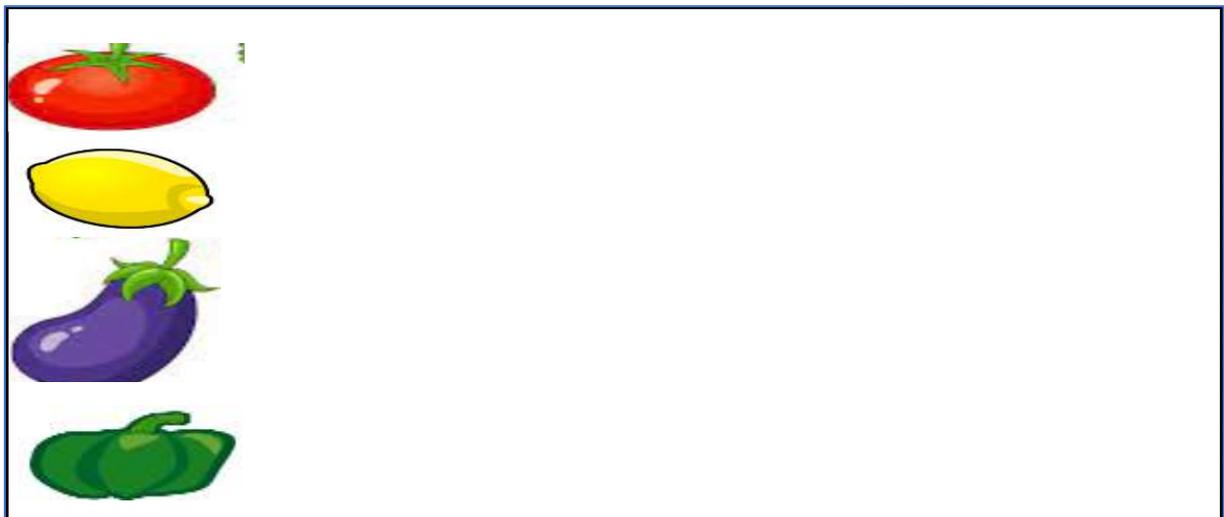
[3] Write the correct numeral for each tally mark.
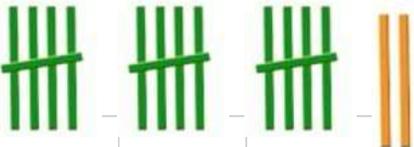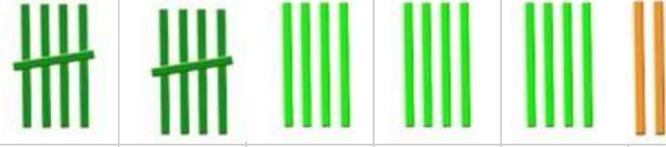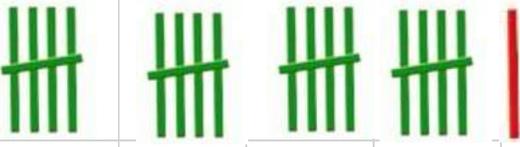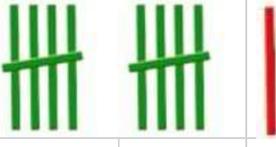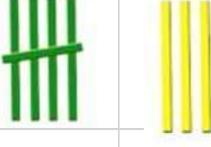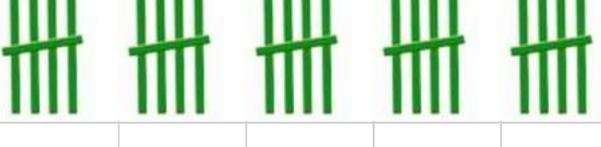
[3] Below is the table that shows the group names and the number of bats and rackets they have in each group.

Groups	No of Balls	No of Rackets
Pearl	34	25
Sapphire	27	43
Emerald	56	78
Topaz	12	48
Ruby	52	81
Diamond	48	23

Q1. How many balls does the Topaz group have?

Q2. Which group has the most rackets?

Q3 Which group has got 48 rackets?

Q4. What is the total number of balls and rackets for the Sapphire group?

Q5. What is the total number of balls that Emerald and Diamond have together?

Q6. Which group has the least number of Balls?

Q7. How many rackets does the Pearl have?

[3] Students of class 4 in the Primary school were asked about their hobbies. The results are there in the graph below.

Hobbies of students
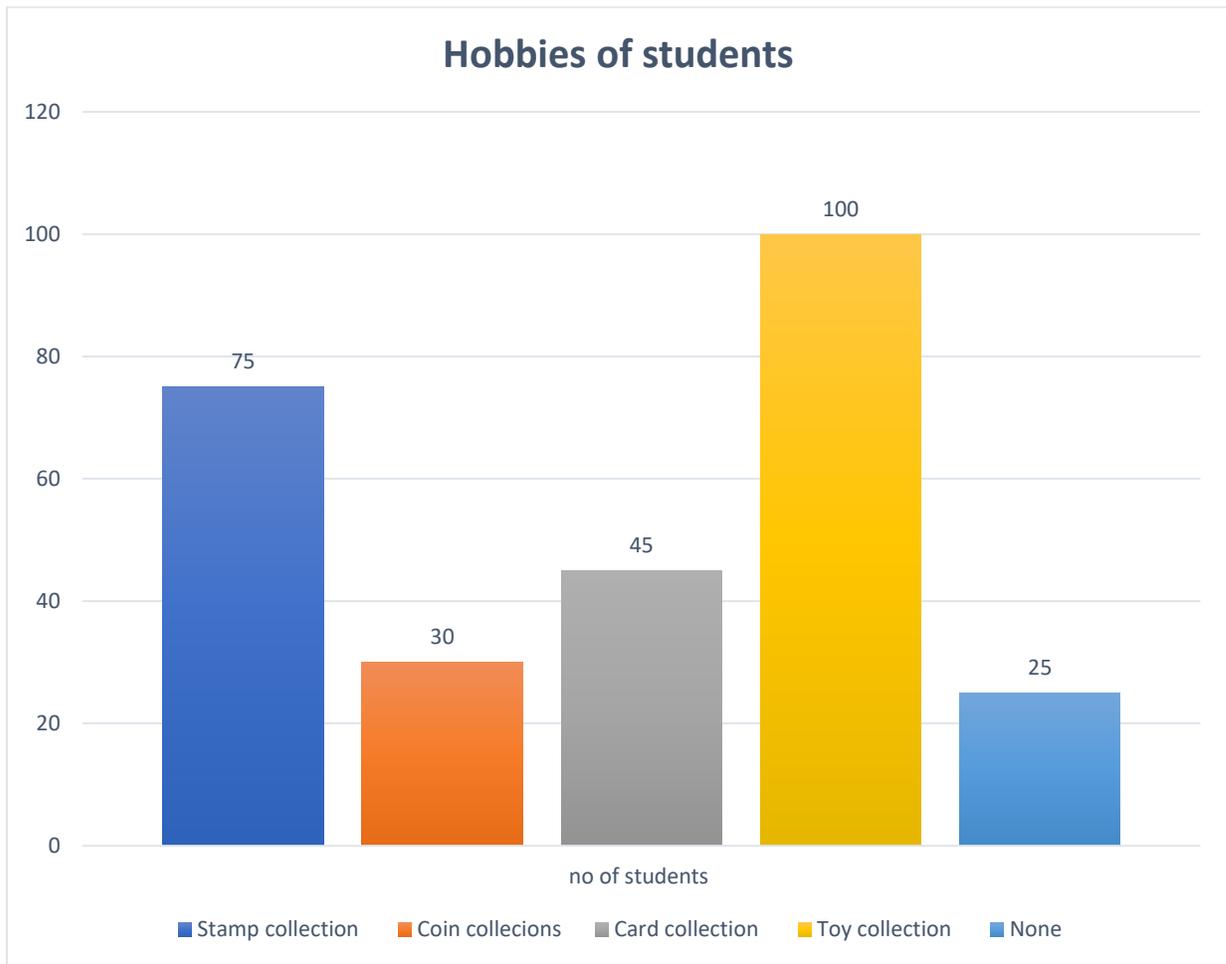
Q1. How many students have no hobbies at all? _____

Q2. Which were the most popular hobbies among the kids in the School?

_____

Q3. Among The four hobbies, how many students pursued coin collection?

_____ --

Q4. How many more students pursued card collection than coin collection? _____

Q5. What is the total number of students who pursued coin collection and card collection together? _____

Students	English	Math	Science	History	Drama
Baga	85	95	80	70	50
Dait	95	90	80	75	60
Yani	90	80	70	65	60
Ubby	90	80	80	70	60
Noki	90	95	90	90	65
Numa	95	100	95	90	80

Q1. Who got the maximum marks in Math? _____

Q2. How many students got over 60 in Drama? ___

Q3. Who got maximum marks in science? _____

Q4. Who got the least marks in Drama? _____

Q5. How much Baga score in History? _____

Q6. In which subject did Ubby get the best marks? ___

Q7. How many more marks did Numa get than Dait in Math? ___

Q8. In which subject did not a single student get over 85? _____

Q9. What is the total mark got by each student? Can you put it down here?

[5] Look at the graph below and answer the following questions.

Can and Newspaper collection

Day	Cans collected	News paper collected
SUNDAY	46	55
MONDAY	23	62
TUESDAY	89	45
WEDNESDAY	34	92
THURSDAY	66	23
FRIDAY	64	11
SATURDAY	77	56
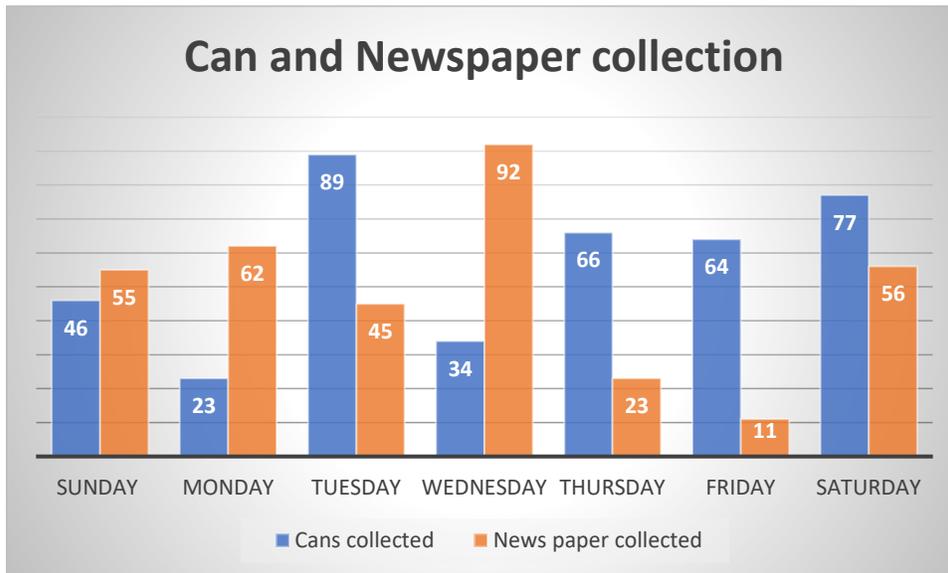
Q1. How much Newspaper was collected on Saturday?

Q2. What was the total number of cans collected on Sunday, Monday and Tuesday?

Q3. What was the difference between the newspaper collected on Thursday and newspaper collected on Saturday?

Q4. What was the total Newspaper collected during the week?

Q5. What was the difference between can collection on Monday and newspaper collection on Friday?

Q6. Which day was the least newspaper collection on?

Q7. How much was the can collection on Wednesday?

Q8. What conclusion can you draw form the graph?

[6] Can you plot the bars for the remaining three months. The first three are done for you.

Month	Trees planted
January	30
February	40
March	20
April	15
May	10
June	45
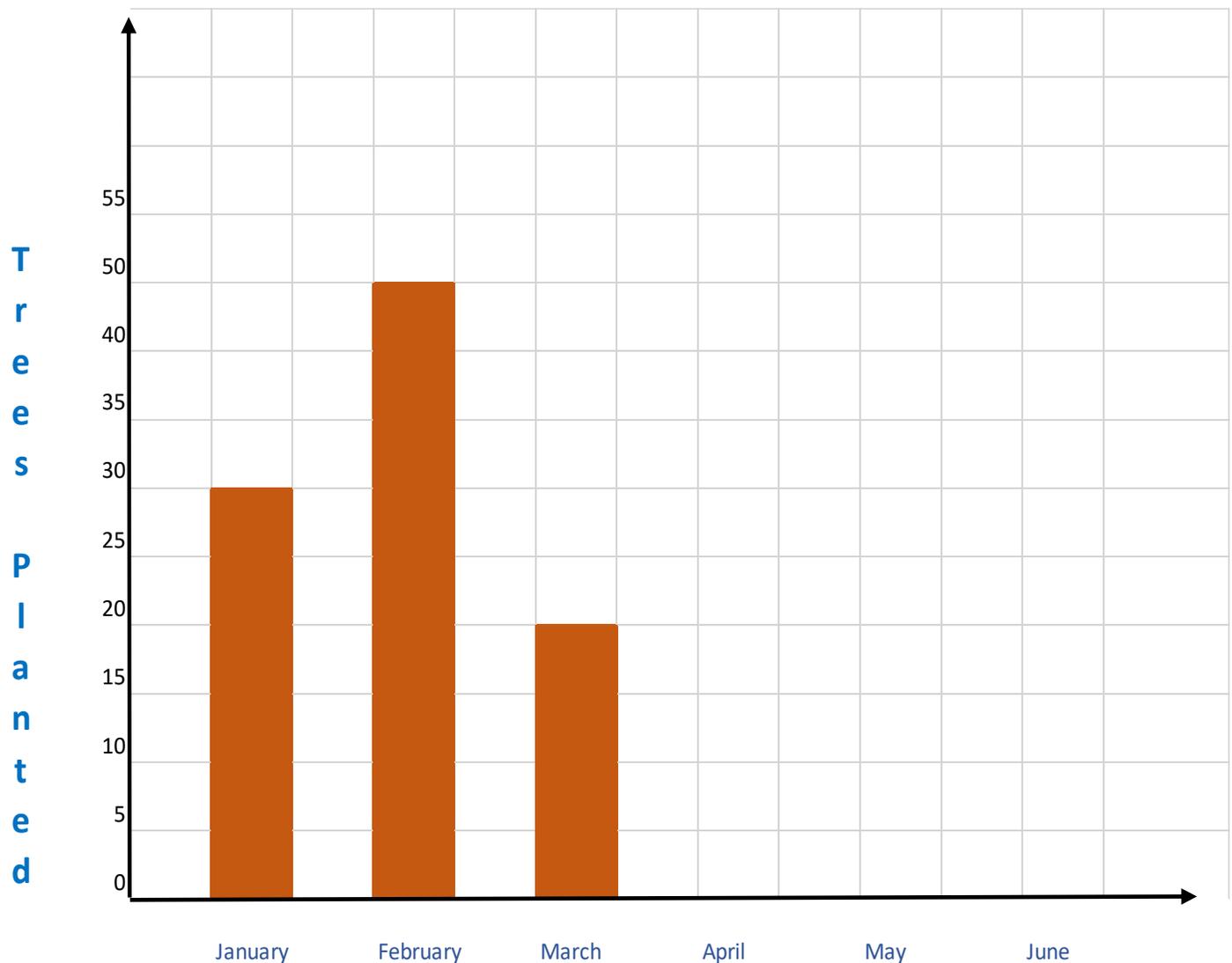
[7] Can you plot the bars for the remaining four months. The first three are done for you.

Month	Stamps collected
January	10
February	30
March	50
April	20
May	10
June	70
July	90
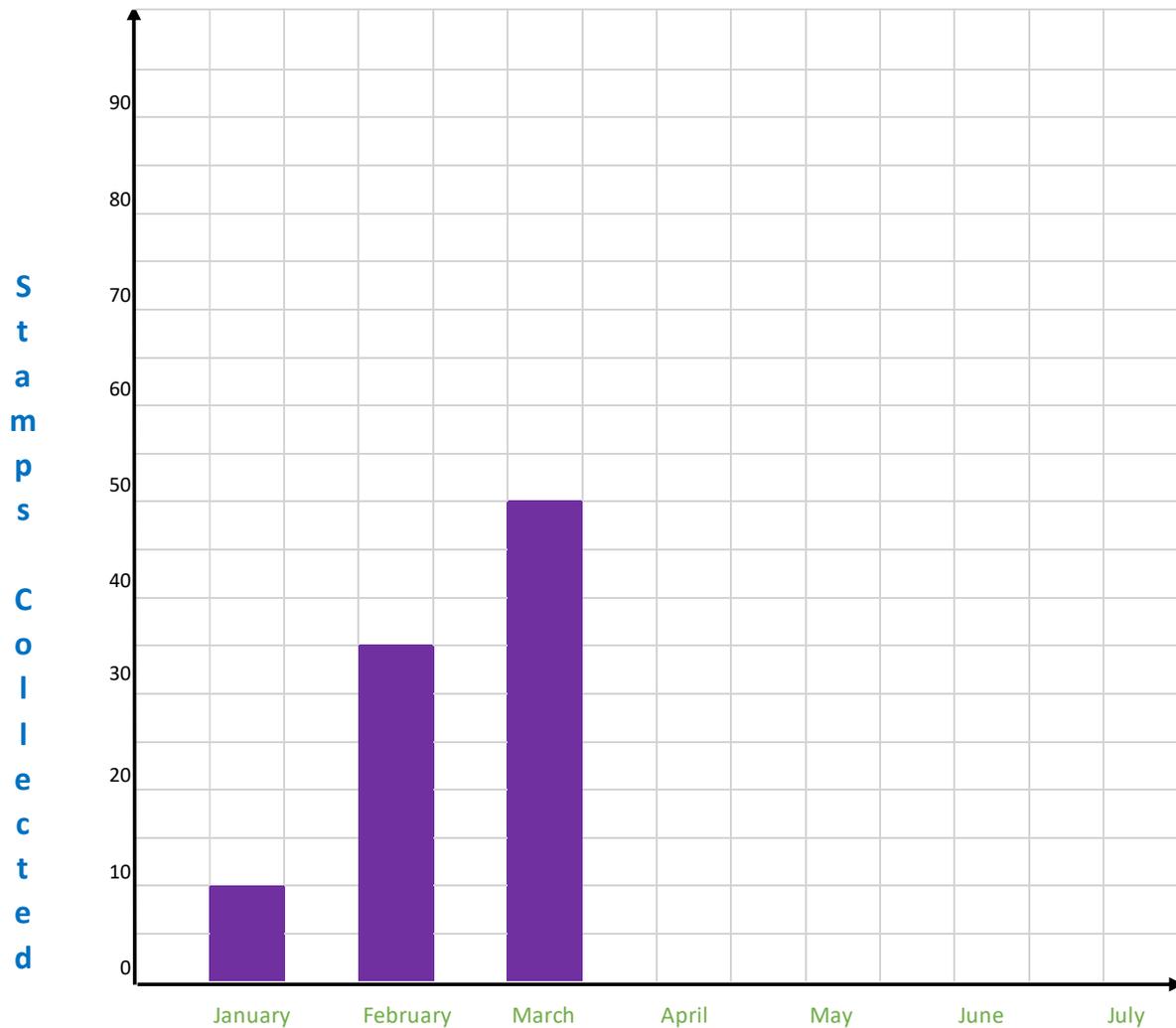
Unit 11 - MEASUREMENT - LENGTH

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

We can measure the length in
Mm – millimeter

Cm – centimeter

M – meter

Km – kilometer

Some of the units for measurement is:

Cm, M, and Km

Cm stands for Centi meter

M stands for Meter

Km stands for Kilometer

Read ....
1. The length of your eraser may be measured in mm or cm
2. The length of your pencil may be measured in cm
3. The length of your room may be measured in cm or m.
4. The distance from your home to school may be measured in m or km.

Try these. –
1. My sharpener measures 2 cm / m/ km [tick the right option]
2. The length of my room measurer 2 cm/ m/mm [tick the right option]

3. The length of my handspan measures _____ cm

4. The length of your class window is _____ cm

5. The length of your note book is _____ cm

6. The measurement of your drawing book is _____ cm

7. The measurement of your= feet is _____

Convert meters to centimenters					
68	m	=	6	cm	8	mm
79	m	=		cm		mm
34	m	=		cm		mm
81	m	=		cm		mm
45	m	=		cm		mm

Convert meters to kilometers					
6400	m	=	6	km	400	m
8600	m	=		km		m
4200	m	=		km		m
9500	m	=		km		m
5500	m	=		km		m

Convert milli meters to centimenters					
78	mm	=	7	cm	8	mm
56	mm	=		cm		mm
34	mm	=		cm		mm
65	mm	=		cm		mm
12	mm	=		cm		mm

Convert centimenters to meters						
192	cm	=	1	m	92	cm
223	cm	=		m		cm
567	cm	=		m		cm
885	cm	=		m		cm
456	cm	=		m		cm

Convert meters to centimenters						
23	m	=		cm		mm
45	m	=		cm		mm
67	m	=		cm		mm
88	m	=		cm		mm
33	m	=		cm		mm

Convert meters to kilometers						
2400	m	=		km		m
3800	m	=		km		m
5566	m	=		km		m
4387	m	=		km		m
9988	m	=		km		m

Convert milli meters to centimenters						
67	mm	=		cm		mm
56	mm	=		cm		mm
88	mm	=		cm		mm
27	mm	=		cm		mm
39	mm	=		cm		mm

Convert centimenters to meters						
745	cm	=		m		cm
564	cm	=		m		cm
224	cm	=		m		cm
111	cm	=		m		cm
678	cm	=		m		cm

Now try these!

7800	m	=		km		m	
1600	m	=		km		m	
786	cm	=		m		cm	
4553	cm	=		m		cm	
9044	m	=		km		m	
6077	m	=		km		m	
48	mm	=		cm		mm	
93	mm	=		cm		mm	
51	m	=		cm		mm	
19	m	=		cm		mm	
843	cm	=		m		cm	
267	cm	=		m		cm	

Try the following:

1. 15cm + 20 cm = 35 cm
2. 350 cm + 257cm =
3. 200 mm + 150 mm =
4. 69 cm - 45 cm =
5. 8723 cm - 4221cm =
6. 788 cm - 267cm =
7. 655m - 45m =
8. 9000cm - 546cm =
9. 46m32cm + 22m34cm =

10. 3cm44mm - 1cm22mm =

Word Problems

1. Alex had a rope of length 5m and 26cm. He cut 3m 12cm from that. How much does he have left?

2. Baga has a string of 100cm long. He joined another string to it that was 52 cm long to increase the length. What is the total length of the string now?

3. Dista and Dira had two skipping ropes of 264 cm each. If the joined both together, what is the strength of the combined rope?

4. I bought 125 cm of red color fabric and 350 cm of yellow fabric. How much fabric do I have in total now?

MEASUREMENT - VOLUME.

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

Ml = Milliliters
L = liters
1000ml = 1 Liter
4 liter = 1 gallon

2 liters   1 liter   1 gallon

Can you write down the quantity of each of the jars?
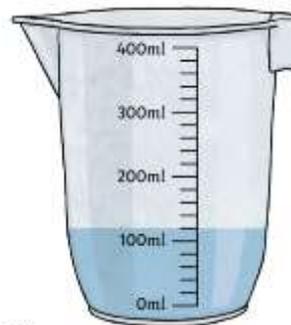
TRY THESE

Convert milliliters to liters						
6000	ml	=	6	l	0	ml
7856	ml	=		l		ml
9000	ml	=		l		ml
1300	ml	=		l		ml
4567	ml	=		l		ml

Convert liters to milliliters				
76	l	=	7600	ml
86	l	=		ml
45	l	=		ml
78	l	=		ml
23	l	=		ml

Convert milliliters to liters					
9003	ml	=			ml
8965	ml	=		l	ml
3211	ml	=		l	ml
6734	ml	=		l	ml
8722	ml	=		l	ml

Convert liters to milliliters				
26	l	=		ml
45	l	=		ml
32	l	=		ml
88	l	=		ml
69	l	=		ml

FILL IN

1. I take 5 <mark>ml / l</mark> of cough syrup when I am unwell.
2. I drink 250 <mark>ml / l</mark> of milk in the morning.
3. My mom bought 2 <mark>ml / l</mark> l of milk to make custard for all of us.

4. The mater in the water can is 4 ml <mark>/</mark> l.
5. <mark>5.</mark> The water in the swimming pool is better referred to in <mark>ml/gallon</mark>

Try the following:

1. 150 ml + 2 l =   2150 ml
2. 350 ml + 4 l =   ml
3. 200 ml + 150 ml =   ml
4. 69 ml - 45 ml =   ml
5. 2723 ml + - 4221 ml =   ml
6. 788 ml - 267 ml =   ml
7. 655 ml - 45 m l =   ml
8. 9674 l - 546 l=   l
9. 46 l 32 ml + 22 l 4 ml =

10. 3 cm 44 mm - 1 cm 22 mm =

Pour water in each of the following containers and write the volume it can actually hold.
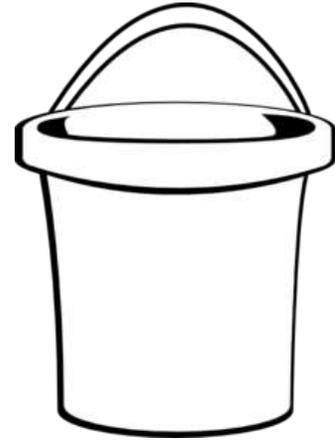
Word Problms

1. Vipar drinks 450 ml of water on Monday. Next day she drank 225 ml. How much did she drink in total?

2. The doctor gave me a cough syrup with 100 ml in it. He told me to take 20 ml eevery day. In three days how much ml will I have drank?

3. Srini had 5 liters and 450 ml of paint. He used 3 liters and 123 ml to paint a wall. What is the paint left with him?

4. Dista had 270 ml of red paint, 355 ml of yellow paint. She mixed both and made orange color paint. So how much orange color paint did she make?

MEASUREMENT - WEIGHT

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 generally measure the weight in
Milli grams, Grams, and Kilograms
1000mg = 1 gram
1000g = 1 kilogram

1. 1000g = 1 kg
2. 3000g = 3 kg
3. 4000g = 4 kg

1. Can you write your weight ? _____ kg
2. What is the weight of your school bag? _____ kg
3. What is the weight of your baby brother ?_____ kg

TRY THESE

Convert milligrams to Grams						
3000	Mg	=	3	grams		
4600	Mg	=	4	gram	600	Mg
9675	Mg	=				
7863	Mg	=				
5832	Mg	=				

Convert milligrams to Grams					
7645	Mg	=		Grams	Mg
5670	Mg	=			
2341	Mg	=			
8563	Mg	=			
2332	Mg	=			

Convert grams to kilograms						
3000	Gm	=	3	kg		grams
4600	Gm	=	4	Kg	600	grams
6200	Gm	=				
7400	Gm	=				
8100	Gm	=				

Convert grams to kilograms						
9234	Gm	=	9	kg	234	grams
4678	Gm	=				
2387	Gm	=				
5189	Gm	=				
7689	Gm	=				

Convert grams to kilograms						
5643	Gm	=	5	kg	643	grams
4678	Gm	=				
2387	Gm	=				
5189	Gm	=				
7689	Gm	=				

Convert kilograms to grams					
5	Kg	=	5000	gm	
7	Kg	=	7000	gm	
8	Kg	=			
3	Kg	=			
6	Kg	=			

Do as directed						
2500	Grams	=		Kg		Grams
8	Kg	=		Gm		
3456	Mg	=		Gm		Mg
8976	Gram	=		Kg		Grams
7213	mg	=		Gm		Mg

Word problems.

1.A chef puts 12kg and 35 , .gm of flour in the bowl. He adds 3kg more to it. How much flour is there in the bowl ?

2. Cabu buys 1 pack of ground nuts and 2 bags of sugar. The mass of the ground nut was 345 g and each bag of sugar weighed 150 g. How much weight did Cabu have to carry? Express your answer in kilograms and grams?

3.The weight of Numa and her brother Duma together with their little sister was 127 kilograms. Numa weighed 62 kgs and Duma weighed 78 kg. What was the little sister's weight?

4. The weight of a chair is 5kg, and a stool is 2 kg lighter than the chair. Which is heavier, 3 chairs or 5 stools? By how much?

Mixed Word problems

1. On Saturday I bought one gallon of water. On Sunday ,I drank 780 ml of water from that and drank 220 ml on Monday . How much is left in the can now?

2. Grand mom weighed 42 kg and mo weighed twice as much as Grand mom. What are their weights put toogether?

3. The height of Tower A is 46m and that ot Tower B is 54m . Which is taller ? And by how much ?

4. Seema had 5 packets of candies which weighed 150 gm each . What was the total weight of the candies?

Unit 12 - TIME

Do you know

- One day = 24 hours
- One hour = 60 minutes
- One minute = 60 seconds
- The Hour hand moves round the clock twice in a day.
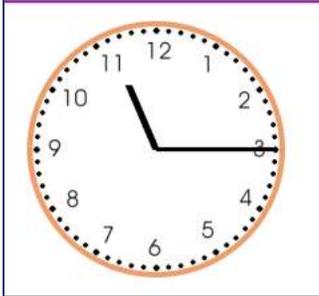
This is 15 minutes past 11 or 11.15
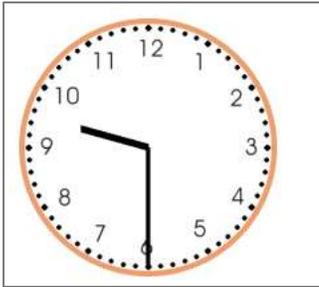
This is 30 minutes past 9 or 9.30 or 30 minutes to ten or half-past nine.
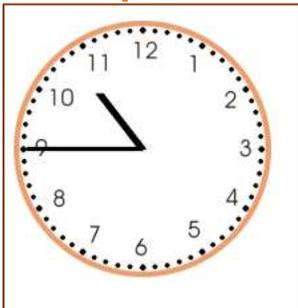
This is 45 minutes past 9 or 9.45 or 15 minutes to ten.

Draw 12.45, 5.15. 3.30. 9. 15. 10.30 in the clock below
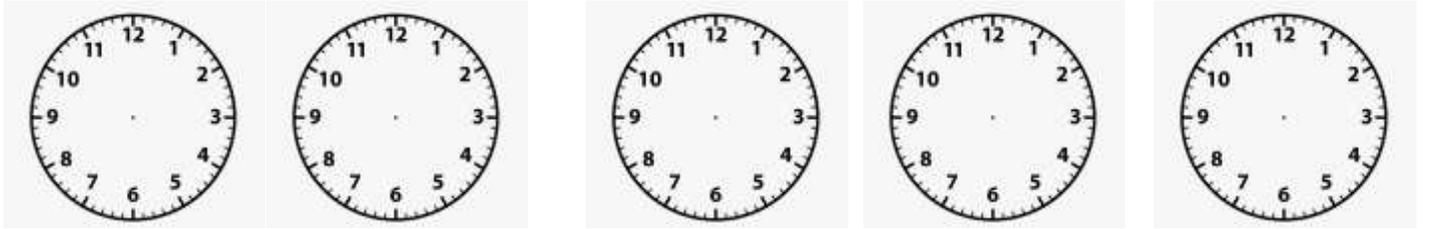
TRY THESE
Draw the hand on the clock.

| 11.45 | 12.00 | 2.30 | 4.45 | 6.05 |

| 5.00 | 3.25 | 9.10 | 7.45 | 10.10 |

| 7.10 | 6.20 | 8.15 | 4.20 | 1.15 |
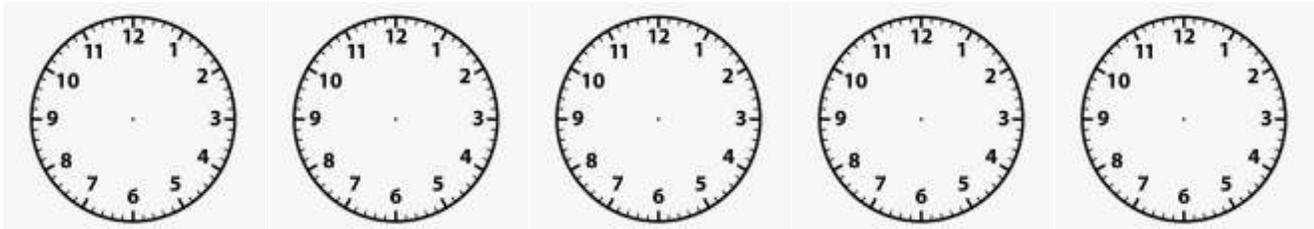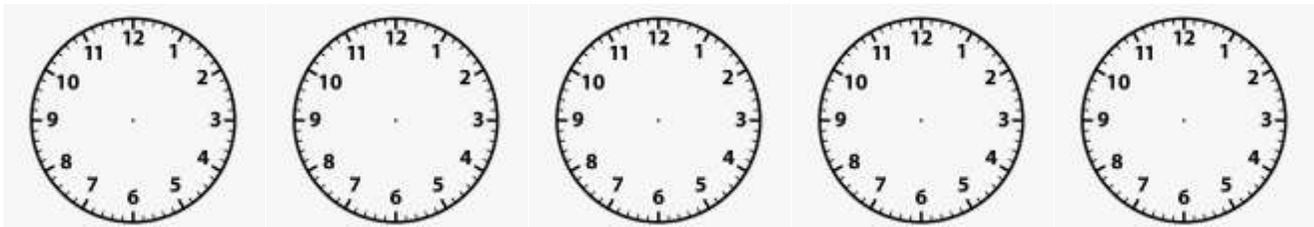
8.35	7.30	5.40	8.55	11.30
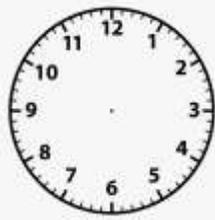
2.50	9.35	3.10	4.50	12.05

Qaurter to 8	half past 10	half past 1	Quarter part 4
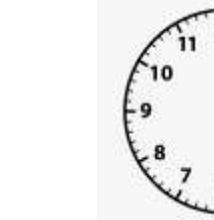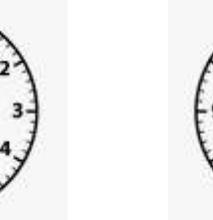
Qaurter to 10	half past 1	half past 12	Quarter to 6
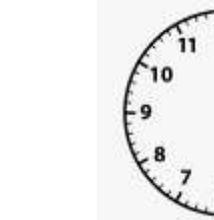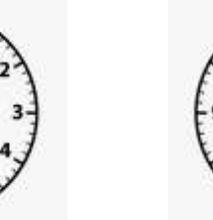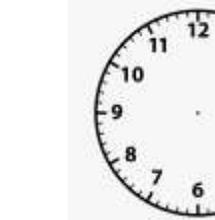
half past 7	Quarter past 12	Quarter to 12	One o clocll
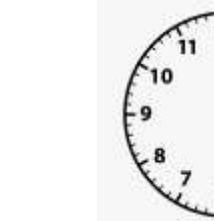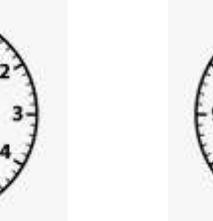
Try this.

A. The time is 4.40 am. What time is 1 hour and 30 min form now?

B. The time is 10.35 pm on Thursday. What time and day will it be after 2 hours?

C. I have to take a train at 8.20 pm. What time should I leave home if my house is 4 hours away from the train Station?

D. I have a game at 6.30 pm today. I have to reach 90 minutes early for the warm ups. What time should I leave home?

E. The Film starts at 9.00pm and goes on till 12.25 pm. How long is the movie?

F. Vipar has to do a History project and it will take 2½ hours to do it. She has to go to bed at 9pm. When does she have to begin it?

G. Dista started studying at 4.45 pm and finished at 7.45. How long did she study?

H. Ciel can eat one burger in 2 minutes. How long will it take her to eat 10 burgers?

I. Numa went to her cousins' house at 3.20pm and she returned home at 6.pm. How much time did she spend at her cousin's house?

J. Muru has to reach her aunt's house at 4.40 pm. She leaves home at 2.20 pm. How long did she travel?

Choose the correct option.

1. Two days is equal to
   a. 20 hours
   b. 24 hours
   c. 48 hours

2. Four hours is equal to how may minutes?
   A. 40 hours
   B. 60 hours
   C. 240 hours

3. Twenty day is equal to
   A. 20 hours
   B. 24 hours
   C. 48 hours

4. Four hours is equal to how may minutes?
   A. 40 hours
   B. 60 hours
   C. 240 hours

5. Three hours and 10 min is equal to
   A. 310 minutes
   B. 190 minutes
   C. 610 minutes

6. There are _____ weeks in a year
   a. 40
   b. 25
   c. 52

Try these

1. Muru's class end at 10.10 am. He reaches home in 30 minutes. when does he reach home?

   a. 10.30   b. 10.40   c. 9.30

2. How many minutes are there from 3.20 to 4.00 o clock

   a. 20   b. 30   c. 40

3. How many seconds are there in 2 minutes?

   a. 60   b. 120   c. 180

4. How many hours in half a day?

   a. 12   b. 24   c. 48

5. How many minutes are there in 1 and a half hour?

   2. 60 min   b. 40 min   c. 90 min

6. 4 hours + 2 hours + 30 minutes = _____

   a. 6 and a half hour   b. 123 hours   c. 36 hours

7. You have an appointment in the morning at 11:00. You leave home four hours earlier. What time did you leave?

   a. 12:10 am   b. 8:00 pm   c. 7:00 am

8. It takes you 30 min to get ready for school. If you wake up at 6:00 a.m., what time will you be ready to leave for school?
   _____

9.

What time is it? _____ . What will it be 20 minutes from then? _____

10.

What time is it? _____ . What will it be 19 minutes before? _____

11.

The time is 4.05. What will it be 4 hours from now _____?
What time was it 3 and a half hours before? _____

12. The time is _____ now. The time will be _____ in 180 minutes from now.

13. The table shows the Wednesday morning schedule for class.

Day Schedule		
Subject or Activity	Start Time	End Time
English	8:30 a.m.	9:45 a.m.
Science	9:45 a.m.	11:15 a.m.
Design	11.15 a.m.	12:30 a.m.
Games	12:30 p.m.	2:15 p.m.
Math	2:15 p.m.	4:30 p.m.

Q1. Which subject had the shortest duration of class time?

Q2. How long was the Math class?

Q3. What was the duration of the English and Science class?

Q14. Draw the time as mentioned below.
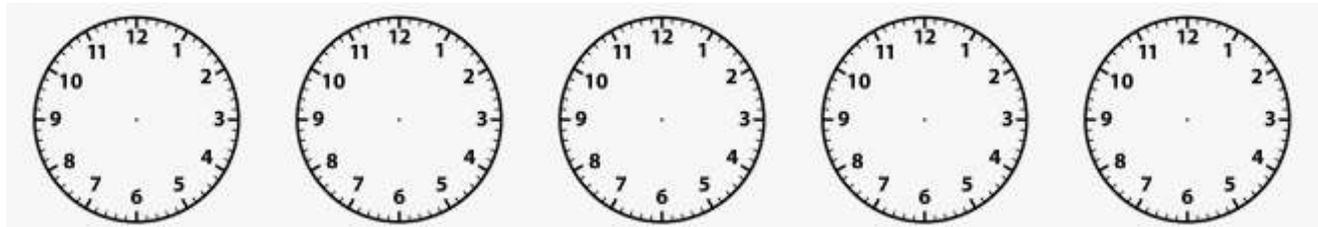
3.12   9.17   12.34   6.21   7.15

1.02   2.47   2.04   9.29   7.35

Unit 13 - MONEY
Different countries have a different currency. Some are listed below for you.

Flag	Country	Code	Symbol
🇺🇸	United States dollar	US$	USD
🇪🇺	Euro	EUR	€
🇯🇵	Japanese yen	JPY	円 / ¥
🇬🇧	Pound sterling	GBP	£
🇦🇺	Australian dollar	AUD	A$
🇨🇦	Canadian dollar	CAD	C$
🇸🇪	Singapore dollar	SGD	S$
🇮🇳	Indian rupee	INR	₹
🇷🇺	Russian ruble	RUB	₽
🇦🇪	UAE dirham	AED	د.إ

We talk about Indian currency here.
In India, Rupee and paisa are the currency used

National Currency Of India - Rupee

Different types of Indian Coins

Baga's piggy bank broke and he found the following in it.

Can you tell me:
1. How many 5-rupee coins does Baga have? _____
2. How many 20-rupee coins does he have? _____
3. How many 10-rupee coins does he have? _____
4. How much money does he have in total? _____
5. A big ball costs Rs 150. Can Baga buy it with the money he has? _____

6. Will he have any money left if he purchased the ball?

_____

100 paisa = 1 Rupee

Convert from rupees to paisa				
40	rupees	=	4000	paisa
25	rupees	=		paisa
89	rupees	=		paisa
45	rupees	=		paisa
12	rupees	=		paisa
79	rupees	=		paisa
46	rupees	=		paisa
23	rupees	=		paisa
19	rupees	=		paisa
43	rupees	=		paisa
29	rupees	=		paisa

Convert from paisa to rupees					
100	paisa	=	1	rupee	0	paisa
250	paisa	=		rupee		paisa
285	paisa	=		rupee		paisa
397	paisa	=		rupee		paisa
409	paisa	=		rupee		paisa
167	paisa	=		rupee		paisa
945	paisa	=		rupee		paisa
999	paisa	=		rupee		paisa
856	paisa	=		rupee		paisa
348	paisa	=		rupee		paisa
239	paisa	=		rupee		paisa

What is Rs.20 and 30 paisa?
What is Rupees 50 less tha Rupess 80?
Ciel has five 20 Rupeenotes . How much does she have in total ?
Ubby has   three ,100 rupee notes with her. She loses 2 notes of Rs. 100. What does she have left ?
Vipar had Rupees 40 with her. She wanted to give it to four of her friends. How much should she give each one .

TRY THESE

Look at the money Dait has managed to save last week.

- Write the total amount Dait has. _____

- Can he buy a storybook that costs Rs.45? ____

- He takes the RS. 500 notes to the ice cream parlor and wants to buy 5 ice cream. Does he need more money? If so, how much? __

When we write Rupees and Paisa, we write it like this.

Rs. 45.11 = Rupees Forty-five and eleven paisa

Rs. 167.34 = Rupees One hundred and sixty-seven and thirty-four paisa

Rs.2578.50 = Rupees Two Thousand five hundred and seventy-eight and fifty paise.

Now Try these:

1. Sixty-three rupees and thirteen paisa. _____
2. Fourteen paisa, _____
3. Nine Hundred and seventy-two Rupees and fifty-four paisa. _____
4. Eight Thousand five hundred and twelve Rupees and thirty-one paisa is _____
5. One Rupee and One paisa = _____

See and understand					
		Rupees		**Paisa**	
Rs. 34.56	=	3	4	5	6

Find the Total.

20 P	+	25 P	+	15 P	=	60	P
46 P	+	20 P	+	20 P	=		
52 P	+	27 P	-	17 P	=		
67 P	+	45 P	+	23 P	=		
22 P	+	23 P	+	19 P	=		
76 P	+	30 P	+	20 P	=		
34 P	+	31 P	+	21 P	=		
12 P	+	24 P	-	20 P	=		
19 P	+	33 P	-	21 P	=		
59 P	+	35 P	+	24 P	=		
63 P	+	35 P	-	62 P	=		
23 P	+	36 P	-	26 P	=		
34 P	+	37 P	-	71 P	=		
93 P	+	38 P	+	30 P	=		
45 P	+	39 P	-	81 P	=		
67 P	+	40 P	-	7 P	=		
23 P	+	41 P	+	31 P	=		
89 P	+	42 P	+	32 P	=		
90 P	+	43 P	+	33 P	=		
56 P	+	44 P	+	34 P	=		
45 P	+	45 P	-	40 P	=		
12 P	+	46 P	-	36 P	=		

Find the Total

45	r	+	15	r	+	5	p	=	60	r	5	p
10	r	+	20	r	+	32	p	=		r		p
50	r	+	27	r	+	87	p	=		r		p
34	r	+	45	r	+	56	p	=		r		p
56	p	+	23	p	+	45	p	=	1	r	24	p
76	p	+	30	p	+	20	p	=		r		p
34	p	+	31	p	+	21	p	=		r		p
12	p	+	24	p	+	20	p	=		r		p
56	p	+	33	p	+	21	p	=	1	r	10	p
34	r	+	24	p	+	24	p	=		r		p
23	r	+	56	p	+	62	p	=		r		p
87	r	+	78	p	+	26	p	=		r		p
56	p	+	12	p	+	71	p	=		r		p
93	p	+	38	p	+	30	p	=		r		p
45	p	+	39	p	-	4	p	=	0	r	80	p
67	r	+	23	p	-	1	p	=		r		p
45	p	+	32	p	+	31	p	=		r		p
91	p	+	12	p	+	32	p	=		r		p
23	p	+	82	p	+	33	p	=		r		p
41	p	+	34	p	+	34	p	=		r		p
61	r	+	45	r	+	40	p	=		r		p
19	r	+	12	r	+	36	p	=		r		p

ADD THE FOLLOWING AND WRITE THE ANSWER IN WORDS.

Rupees		Paisa	
4	5 ▪	1	3
2	3 ▪	3	2
6	8	4	5

= Rupees Sixty-eight and Forty-Five Paisa.

Rupees		Paisa	
3	4 ▪	4	0
4	1 ▪	2	0

Rupees		Paisa	
1	6 ▪	5	0
4	4 ▪	3	0

Rupees		Paisa	
6	8 ▪	0	1
3	1 ▪	6	2

Rupees		Paisa	
3	1 ▪	5	2
1	6 ▪	1	2

Rupees		Paisa	
5	2 ▪	2	2
5	0 ▪	0	4

Rupees		Paisa	
5	6 ▪	5	0
9	4 ▪	3	0

Word Problems on Money.

1. The cost of the pen was Rs. 36.75 and the cost of the pencil case was 100.34. What was the cost of both the items l?

	Rupees	Paisa

2. Numa had RS 34 with him. Eswa gave him Rs. 45. How much does Numa have now?

	Rupees	Paisa

3. Noki had Rs 56 with her. She purchased a chocolate bar for Rs 20.50 paisa. How much does she have left with her?

	Rupees	Paisa

4. Dait was collecting money for the school charity show. He had Rs. 150, Vipar gave him Rs 27 and Cadana gave him Rs. 30. How much does he have now?

	Rupees	Paisa

5. Palo had Rs.250 with him. He spent Rs.100 on the cycle repair and gave the balance to his brother for school picnic snacks. How much did his brother receive?

	Rupees	Paisa

Can you go to the shop and write the cost of the following items?

1. A Large loaf of Bread
2. A liter of Milk
3. A small tetra pack of Orange juice
4. A kilogram of rice
5. Half a kilo of Carrot
6. Today's Newspaper
7. A caned tin of chickpeas
8. A matchbox
9. An HB pencil
10. A small soap bar.

So, kids like we studied about rupees and paisa, other countries also have their own currencies.

Look at the table below

Country	Currency	Symbol	What do they use in USA	Value
United States of America	Dollar	$	Dollar and cent	100 cent s= 1 dollar
European Union	Euro	€	Euro and cent	100 cents = 1 Euro
United Kingdom	Pound Sterling	£	Pound and pence	100 pence = 1 pound
Japan	Yen	¥	Yen and sen [not very popular]	1 yen = 100 sen

Now Try this

1. _____ cents =1 Euro
2. 100 pence =   ____ pound
3. 100 sen = _____ 1 yen

January
February
March
April
May
June
July
August
September
October
November
December

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday

You know

1. There are 12 months in a year and seven days in a week
2. One year has 365 days
3. There are 52 weeks in a year
4. Every fourth year has 366 days.
5. Each month has different days

Exercise 1. Look at the calendar below and answer the following questions.

Q1. Fita has to pay a bill on the First Friday of June. What was the due date of the bill? ____

Q2. Fita paid it only 6 days after the due date. When did she pay it? _____

Q3. How many Tuesdays are there in this month? _____ -

Q4. How many days are there in the month of June? _____

Q5. Which day does 17th of the month on? _____

Q6. Ciel has to take his Vaccination 21 days after the first shot. If his first vaccine was on 2nd June, when is the second shot due? ____

July **2021**

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 are there in July? ___

Q2. How many full weeks are there in July? _____

Q3. I have to attend my guitar class every Tuesday and Thursday. Can you give me the dates for July?

_____

Q4. Which date does the fourth Friday fall on? _____

Q5. Give me the dates of the 3rd and 5th Saturday of July?

_____ ˉ

Q6 Urcha is due for her Tetanus on the 16th of this month. What day is it? _____

The Gregorian Calendar

The Gregorian calendar consists of the following 12 months:

1. January – 31 days
2. February – 28 days in a common year [29 days in a leap year]
3. March – 31 days
4. April – 30 days
5. May – 31 days
6. June – 30 days
7. July – 31 days
8. August – 31 days
9. September – 30 days
10. October – 31 days
11. November – 30 days
12. December – 31 days

Write out the calendar for your birthday month with the dates and all-important events.

Month					Year	
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

Try these.

Q1. I brush my teeth in _____
   a. Hours   b. days   seconds

Q2. AM refers to which time of the day?
   a. Night   b. Day

Q3. what time if the day does the sun rise?
   a. Morning   b. Evening   c. Lunch

Q4. What is the odd one out?
   a. 11/14/2023   b. 14/03/2023   c. 23/11/2023

Q5. If 4th March is Monday, what day of the week is 2nd April?

Q6. Baga went to visit his grand mom on9th July. Answer the following questions.

July 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				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

   a. He stayed in his grand mom's house for 20 days. Which date and day did he leave his grand moms' home?
   b. What was the third Saturday of the month?
   c. Will 1st August be a Sunday?   T   or F

   Q.7.A bus left at quarter to 11 on Monday morning. The journey was for 22 hours. When did the bus reach its destination? Give the Day, Date and time

   Q8. *Say true OR false.*
   a. Quarter to 4 = 4.15
   b. Half past 9 = 9.30
   c. Quarter past 6 = 7.15

2D Shapes

Circle	Triangle	Square	Rectangle	Pentagon
1 Side	3 Sides	4 Sides	4 Sides	5 Sides

Hexagon	Heptagon	Octagon	Nonagon	Decagon
6 Sides	7 Sides	8 Sides	9 Sides	10 Sides

3D Shapes
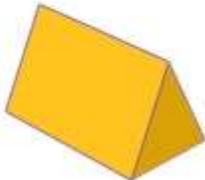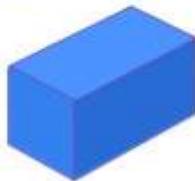
Sphare	Prism	Cuboid
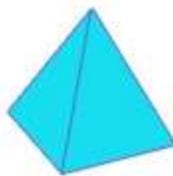
Cube	Cylinder	Pyramid	Cone

Regular polygons
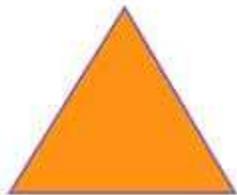
Triangle	Quadrilateral	Pentagon	Hexagon
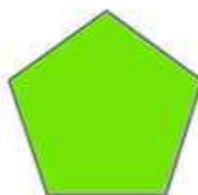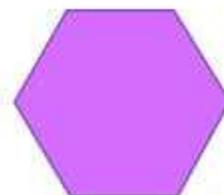
What is Symmetry?

Any object or shape which can be cut into two equal halves in such a way that both the parts are exactly the same is called symmetrical. The line which divides the shape is called symmetry. So, if we place a mirror on the line of symmetry, we can see the complete image.

Can you draw the line of symmetry for the following shapes .
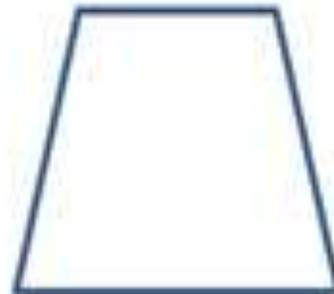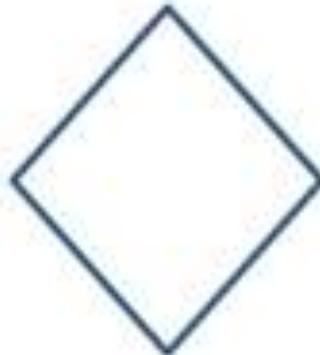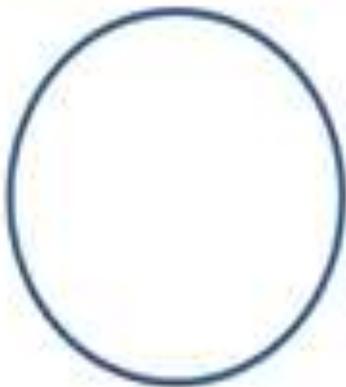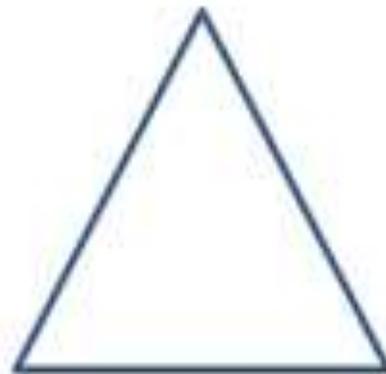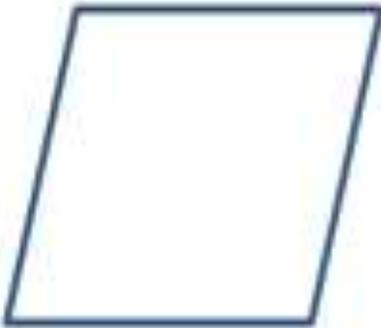
Draw the line of Symmetry.

Draw the line of Symmetry.

A B C D E

F G H I J

K L M N O

P Q R S T U

V W X Y Z
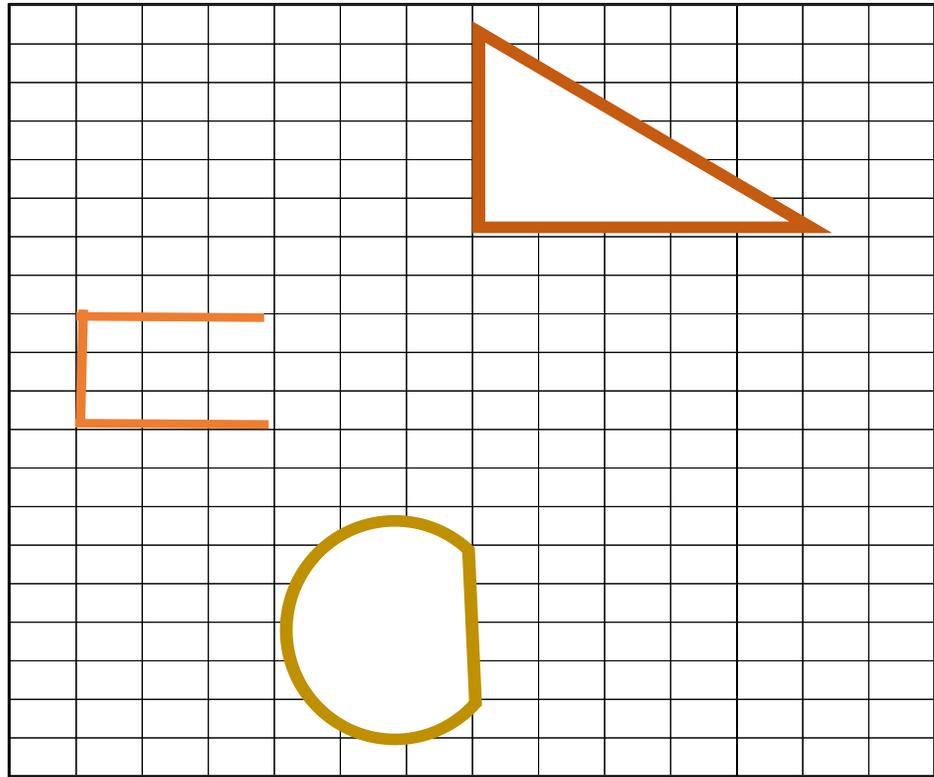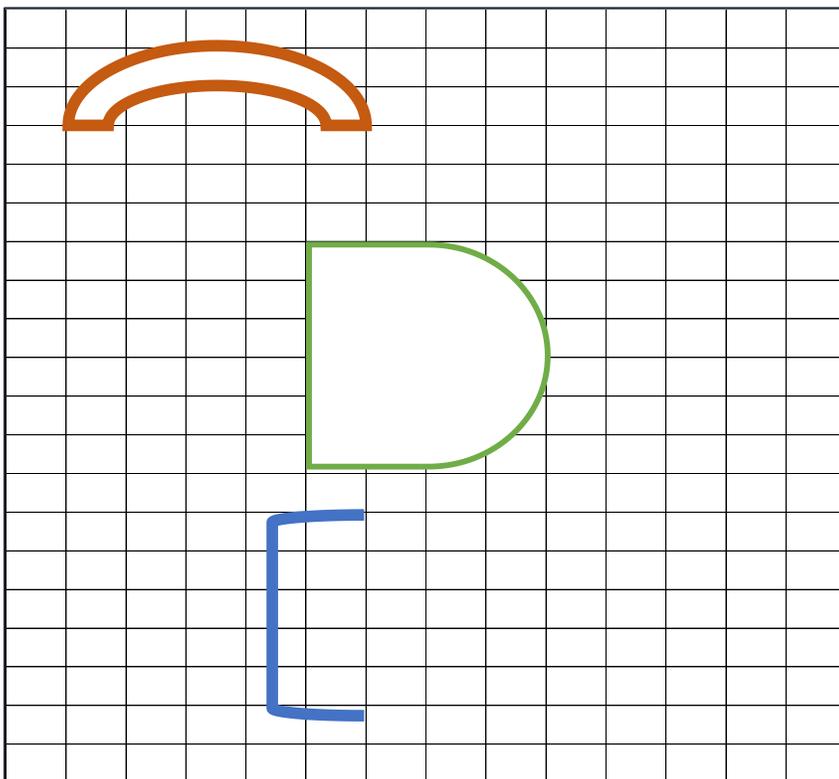
Try these.

<u>Can you draw a line of symmetry for the following figures?</u>
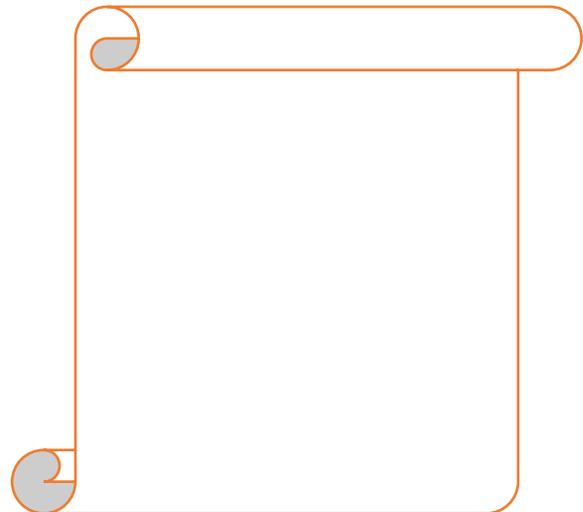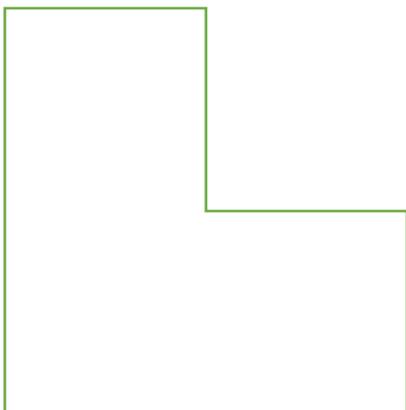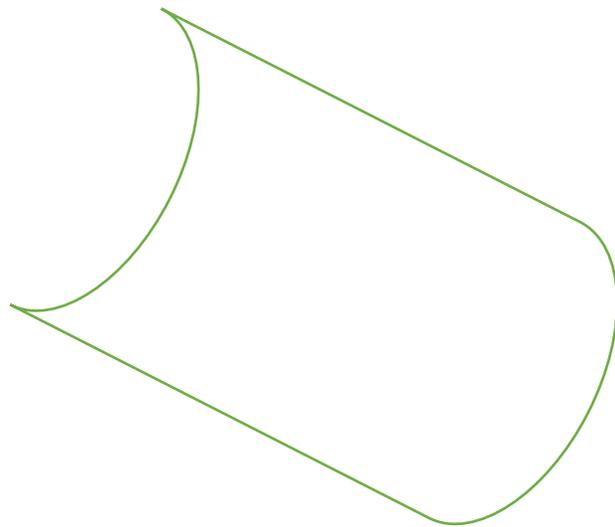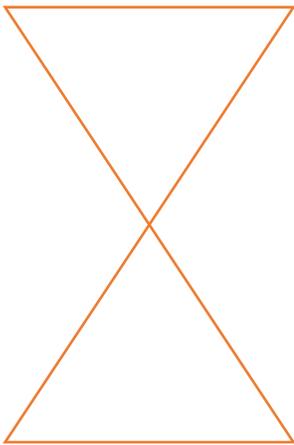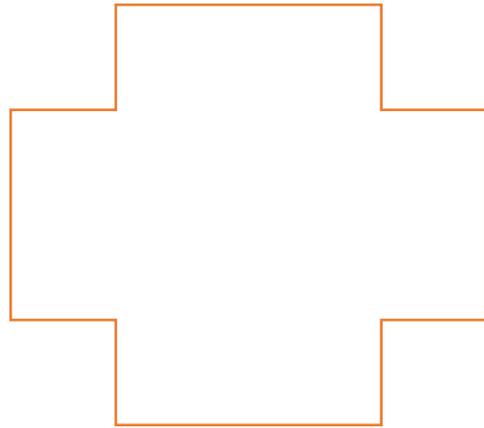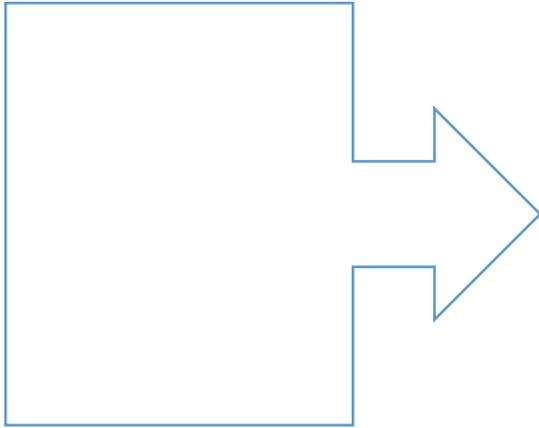
Unit 16 - Ordinal Numbers.

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.

Complete the table.

First	Eleventh	Twenty-first	Thirty-first	Forty-first
Second	Twelfth	Twenty-second	Thirty second	Forty second
Third	Thirteenth	Twenty-third		
Fourth	Fourteenth	Twenty-fourth		
Fifth	Fifteenth	Twenty-fifth		
Sixth	Sixteenth	Twenty-sixth		
Seventh	Seventeenth	Twenty-seventh		
Eighth	Eighteenth	Twenty-eighth		
Ninth	Nineteenth	Twenty-ninth		
Tenth	twentieth	Thirtieth	Fortieth	Fiftieth

Answer the following questions based on the Calendar below.

January 2020

S	M	T	W	T	F	S
			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	

February 2020

S	M	T	W	T	F	S
						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

March 2020

S	M	T	W	T	F	S
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. Which is the 46th day in the calendar if the first day is 1st Jan?

Q2. Which day of the week is the 61st day if the first day is 1st Jan.?

Q3. What day is the 6th day of February?

Q4. Circle the 17th day of every month.

Q5. Write the ordinal number for

   a. 29

   b. 36

   c. 50

   d. 12

   e. 31

Try These

[a]

Q1. What time is it now?
Q2. Forty second minutes from now, what will be the time?
Q3. Seventy sixth minute from now what is the time?

[b]

October 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					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						

November 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	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				

December 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			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	

a. What is the first day of November?
b. What is the 35th day from 18th November?
c. What is the 30th day from October 19th.
d. What is the seventeenth day from 30th December, if I count backwards?
e. What is the date and day 12th day from December 15th?

A fraction is a part of the whole.

½ _is a fraction, that means 1 part out of 2 equal parts._
¼ _is a fraction, that means 1 part out of 4 equal parts._
⅓ _is a fraction, that means 1 part out of 3 equal parts._
⅕ _is a fraction, that means 1 part out of 5 equal parts._

So, try to fill these now -

⅑ _is a fraction, that means _____
⅔ _is a fraction, that means _____
⁴⁄₉ _is a fraction, that means _____

What are 'Like' Fractions and 'Unlike' Fractions?

Like fractions are fractions that have the same denominator. So, their value of in like fractions will be the same. On the contrary, unlike fractions have different numbers as their denominators. So, the value it in unlike fractions will be different.

_m /n_

m = Numerator
n = Denominator

The following are <u>like fractions.</u>

4/6   3/6   1/6   2/6

What is common in all these fractions. Their Denominator is the same and it is 6.

The following are   <u>unlike fractions.</u>

| 4/7 | 3/8 | 1/9 | 1/3 |

All their denominators are different. These fractions are called unlike Fractions.

Proper Fractions and Improper Fractions.

4/7 = Proper Fractions [This means the numerator is smaller than the denominator]

8/3 = Improper Fractions [This means the numerator is greater than the denominator]

MIXED FRACTION

$3\frac{4}{5}$

This is a mixed fraction.

3 is the whole number and 4/5 is the fraction part of it.

Exercise 1. Classify the following as to proper and improper fractions.

1. 3/7 =
2. 6/8 =
3. 7/19 =
4. 11/6 =
5. 3/2 =
6. 6/9 =
7. 1/2 =
8. 7/12 =

Exercise 2. *Classify the following pair as to like or unlike fractions.*

    a. 3/7, 4/7
    b. 10/14, 12/19
    c. 2/4, 7/5
    d. 8/3. 8/6
    e. 4/7 5/7

AT THIS

4/7 + 2/7   8/11 – 2/11

4+2/7   8-2/11
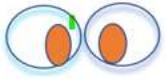
6/7   6/11

Now try this
Exercise 3.

    a. 3/5+2/5

    b. 1/47+ 4/47

    c. 3/14+ 11/14

    d. 2/24 - 1/24

    e. 8/17 - 5/17

    f. 4/15 + 2/15

    g. 1/18 +4/18

    h. 19/42 – 11/42

    i. 33/100 – 22/100

    j. 26/33 -20/33

EQUIVALENT FRACTIONS

$2/4 = 4/8 = 6/12 = 8/16 = 10/20$

$1/3 = 2/6 = 3/9 = 4/12 = 5/15 = 6/18$

Exercise 4. Complete the equivalent fractions.

a. $1/6 = \boxed{} / 12$

b. $2/18 = 4/ \boxed{}$

c. $4/5 = \boxed{} / 20$

d. $3/5 = 15/ \boxed{}$

e. $7/6 = \boxed{} / 42$

f. $2/10 = 4/ \boxed{}$

g. $8/5 = \boxed{} / 40$

h. $8/5 = 24/ \boxed{}$

i. $6/7 = 24/ \boxed{}$

j. $5/10 = 10/ \boxed{}$

Exercise 5. Complete the equivalent fractions.

a. $\boxed{}/6 = 4 / 12$

b. $\boxed{}/12 = 56/84$

c. $2/8 = \boxed{}/ 80$

d. $6/9 = 36/ \boxed{}$

e. $7/12 = \boxed{} / 36$

f. $12/10 = 60/ \boxed{}$

g. 1/4 = ☐ / 40

h. 11/5 = 77/ ☐

i. 16/ 4 = 4 / ☐

j. 50/10 = 5/ ☐

MIXED FRACTIONS - A *number consisting of a whole number and a proper fraction.*
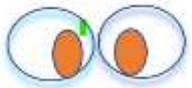
AT THIS

$$3¼ = \frac{3 \times 4 + 1}{4}$$

$$= \frac{12 + 1}{4}$$

$$= 13/4$$

$$5½ = \frac{5 \times 2 + 1}{2}$$

$$= \frac{10 + 1}{2}$$

$$= 11/2$$

Exercise 6 - Convert these into improper fractions.

1. $4\frac{5}{6}$

2. $7\frac{3}{4}$

3. $5\frac{1}{5}$

4. $8\frac{7}{4}$

5. $9\frac{5}{9}$

6. $10\frac{3}{7}$

$7. 6\frac{4}{7}$

$8. 9\frac{3}{6}$

$9. 5\frac{6}{8}$

$10. 8\frac{3}{5}$

Exercise 7 -Convert these into improper fractions.

a. $4\frac{3}{2}$

b. $3\frac{1}{4}$

c. $5\frac{3}{7}$

d. $3\frac{2}{5}$

e. $9\frac{3}{3}$

f. $10\frac{5}{8}$

g. $6\frac{5}{7}$

h. $3\frac{1}{6}$

i. $12\frac{4}{8}$

j. $8\frac{10}{3}$

a. 3/15

b. 17/34

c. 12/144

d. 100/10

e. E.24/8

f. 36/9

g. 60/2

h. 40/4

i. 81/9

j. 77/11

Completing a whole number

a. $5\frac{2}{5}$ + $\frac{3}{5}$ = 6   *Clue* $[\frac{2+3}{5}]$

b. $7\frac{3}{9}$ + $\frac{6}{9}$ = 8

c. $4\frac{2}{7}$ + = 5

d. $7\frac{2}{3}$ + = 8

e. $1\frac{2}{9}$ + = 2

f. $\frac{1}{2}$ + = 1

g. $\frac{1}{4}$ + = 1

h. $\frac{1}{8}$ + = 1

i. $3\frac{1}{2}$ + = 7

j. 4 + = $9\frac{1}{2}$

Adding mixed numbers [with like denominators].

$4\frac{2}{6} + 3\frac{1}{6} = 7\frac{3}{6}$

1. $7\frac{2}{9} + 4\frac{5}{9} =$

2. $5\frac{2}{19} + 6\frac{4}{19} =$

3. $4\frac{2}{} + 4\frac{5}{9} = 4\frac{7}{9}$

4. $3\frac{3}{11} + 7\frac{4}{11} =$

5. $6\frac{2}{8} + 4\frac{5}{8} =$

6. $15\frac{2}{} + 16\frac{4}{7} = 41\frac{6}{7}$

7. $7\frac{2}{13} + \text{_____} = 14\frac{5}{13}$

8. $7\frac{2}{5} + 12\frac{1}{5} =$

9. $12\frac{2}{} + 12\frac{5}{9} = 24\frac{7}{9}$

10. $19\frac{3}{14} + 19\frac{4}{14} =$

COMPARING FRACTIONS.] unlike denominators]

$\frac{3}{4}$ $\frac{4}{7}$. To compare these two fractions just multiply the denominator by the denominator of the other fraction.

step1 : ¾x7 = 3/28 and $\frac{4}{7}$ X 4 = 4/28

step 2: Next compare them. 3/28 and 4/28

step 3: See which is bugger 4/28

step 4: So, the answer is 4/7 is bigger

Now solve this.

a. 5/7, 3/8

b. 4/9, 2/4

c. 1/6, 5/8

d. 3/7, 4/8

e. 10/12, 6/10

f. 12/14, 5/8

g. 8/3, 4/6

h. 3/7 ,8/6

i. 4/9. 8/7

j. 7/11. 6/13

Over to book Five