



Vaaga kids.com

Numeracy book -2

Level 2

Author

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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.

The objectives of this level are to assist learners to

- Recognize and write numbers [0-99]
- Sequencing numbers [0-99] [After number, Before number, in between number]
- Count backward [0-99]
- Draw objects according to the number given.
- Add to and from 20 using manipulatives and pictorially
- Subtract to and from 20 using manipulatives and pictorially
- Subtract two sets of objects pictorially and write the answers.
- Demonstrate an understanding of place value and recognize tens and ones
- Recognize and draw basic geometric shapes (circle, square, triangle, rectangle, oval, crescent, Star)
- Identity basic 2 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.
- Interpret simple data

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.

Book Content

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Unit 1 - Numeration

NUMBER CHART 1-100 - read aloud

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

Fill in the gaps

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

Fill in the gaps

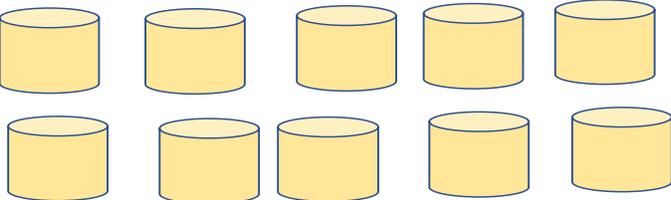
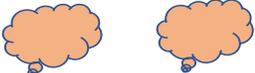
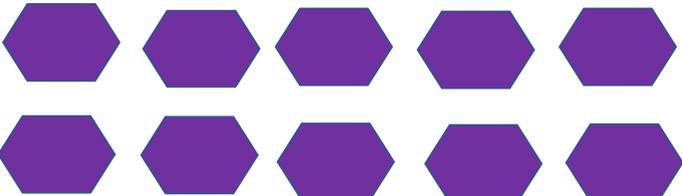
51		53		55		57			60
61		63			66			69	
	72		74			77	78		80
		83			86		88		90
91	92		94				98		100

Practice 50-100

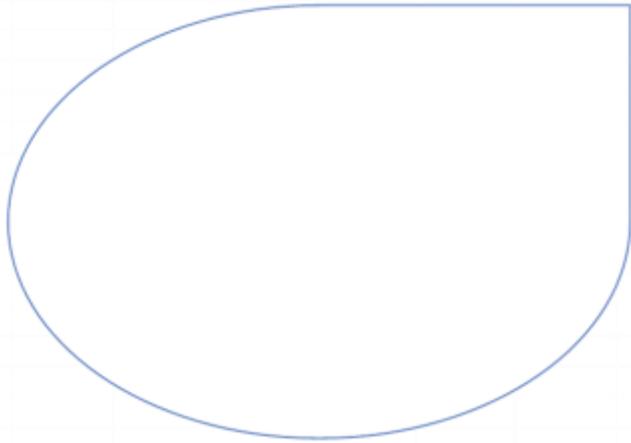
Write 1-100

Unit 2 -Count and write

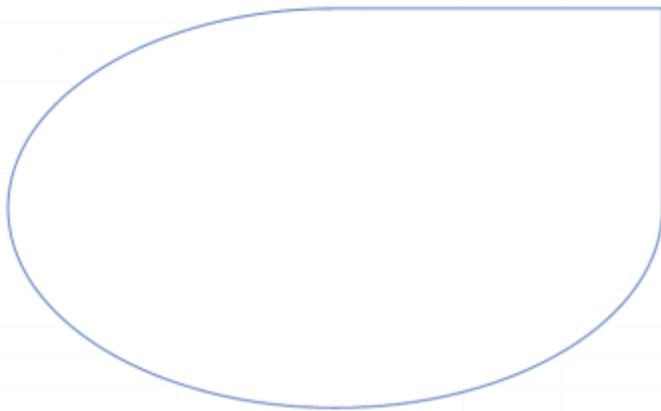
Count the objects and write the correct numeral.

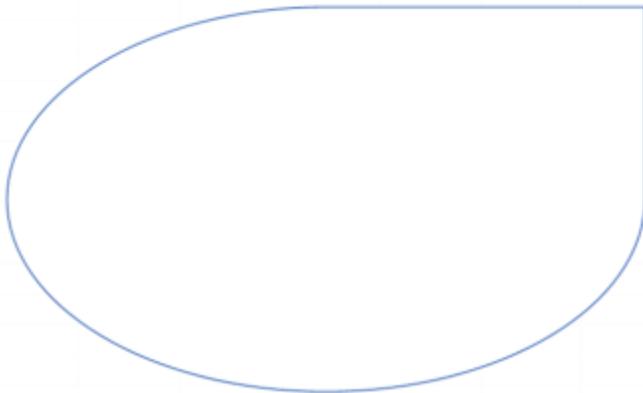
DRAW THE OBJECTS TO MATCH THE NUMBER.



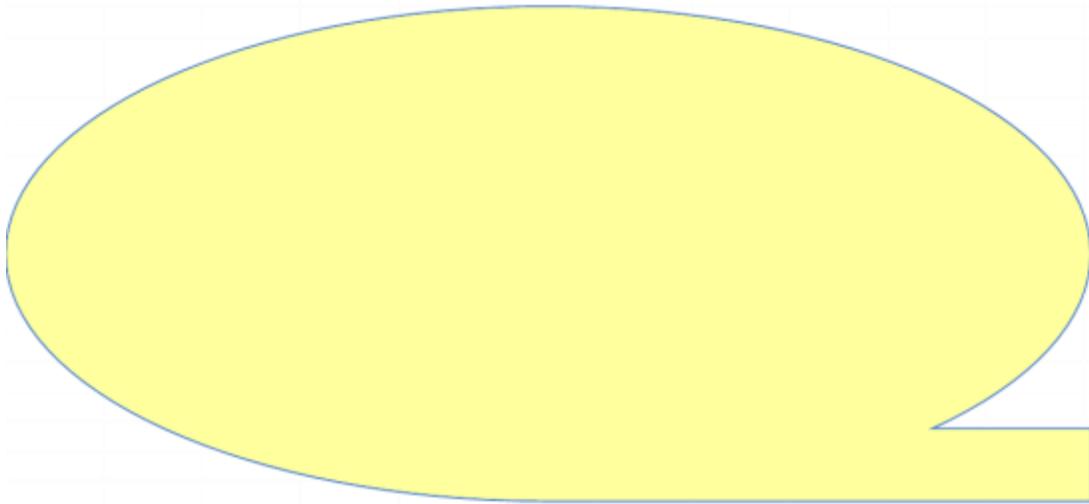
= 14



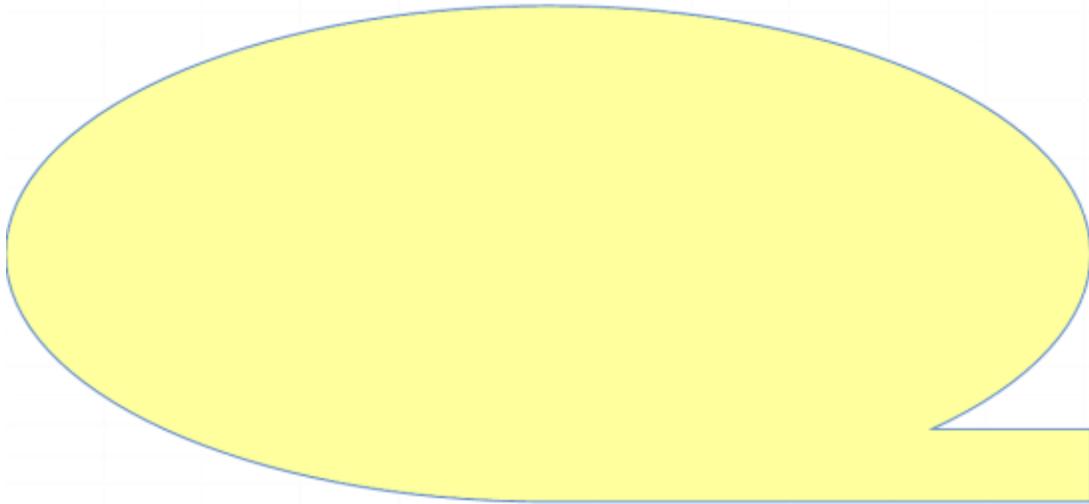
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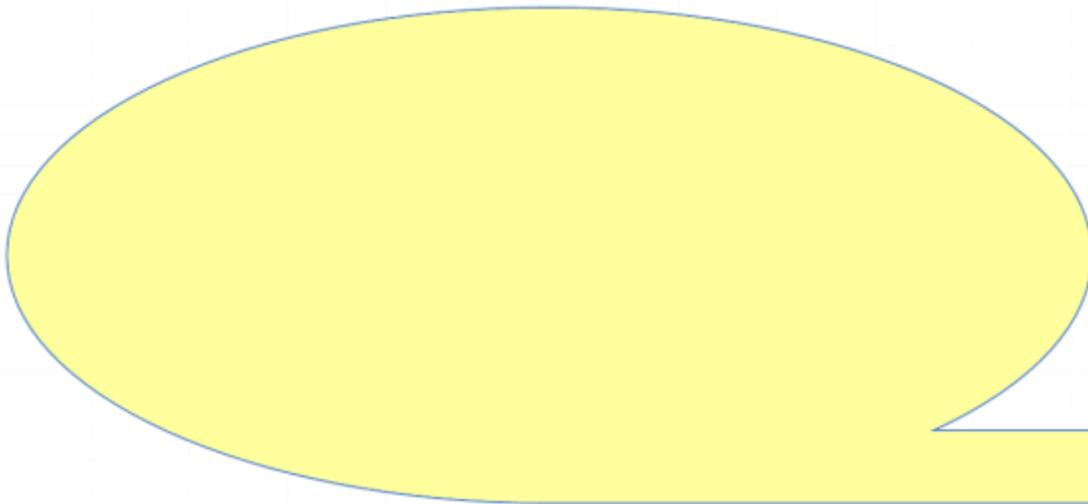
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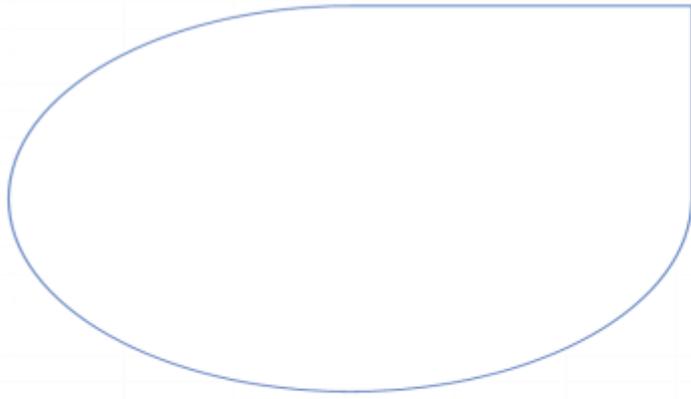
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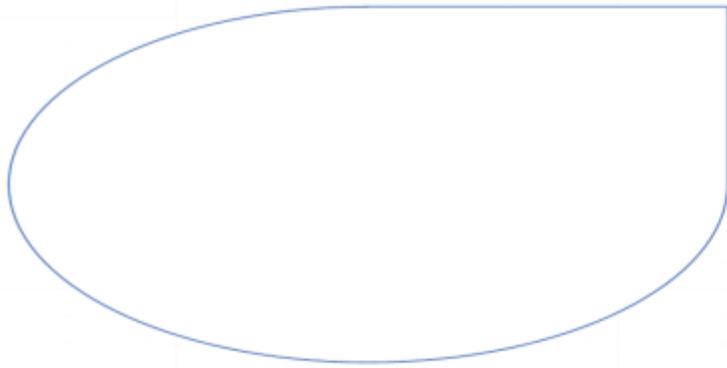
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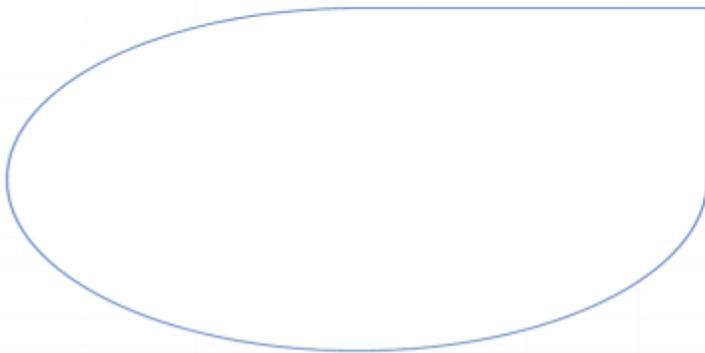
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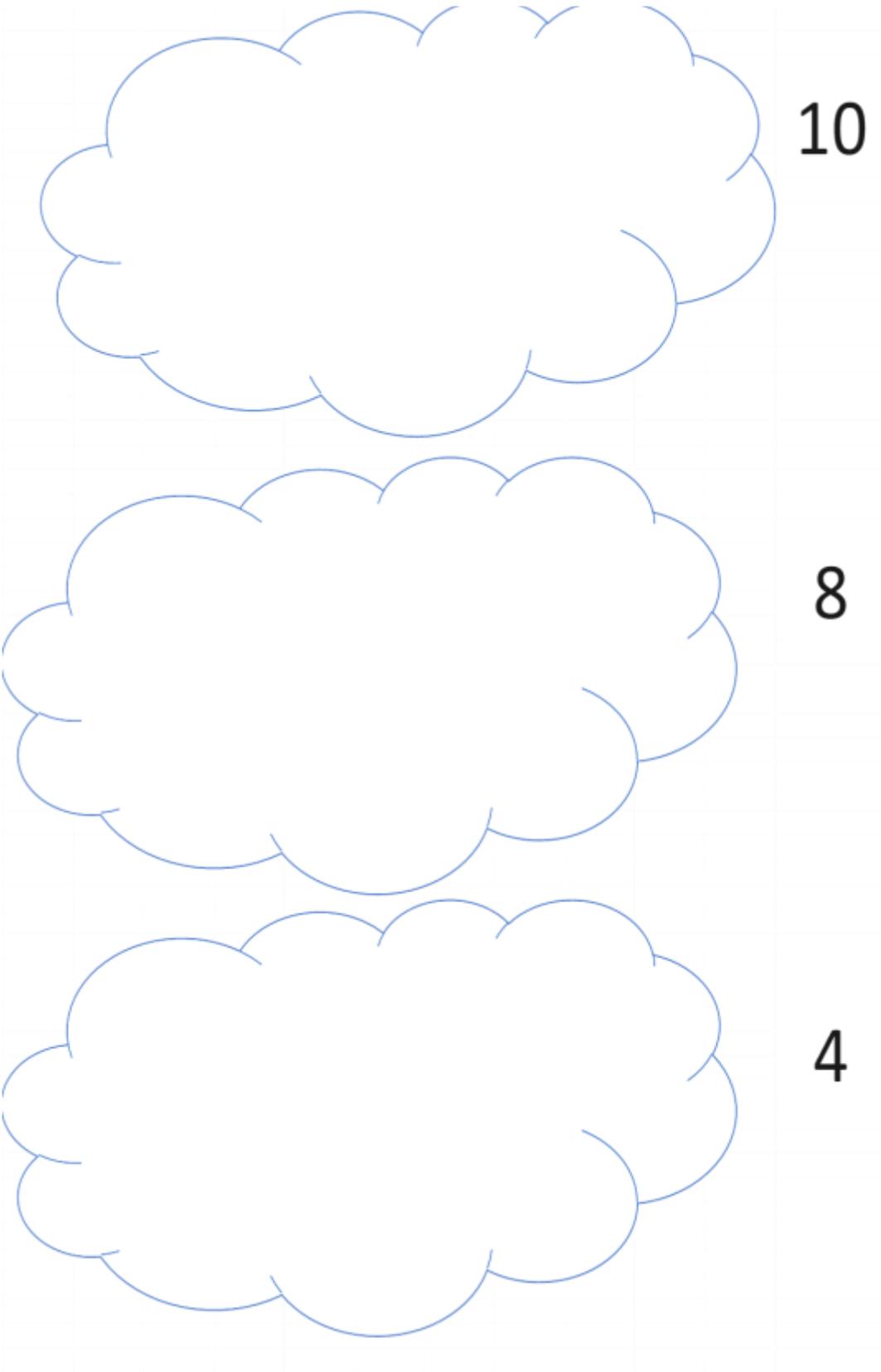
. 11



16



13



FILL IN THE BLANKS

1		3		5		7		9	10
11				15		17		19	
	22				26		28		30
31			34		36		38		40
	42		44			47	48		50
51		53		55	56			59	
61			64				68		70
		73			76				80
81						87			
	92		94			97			100

Unit 3 -Add and write

Example:

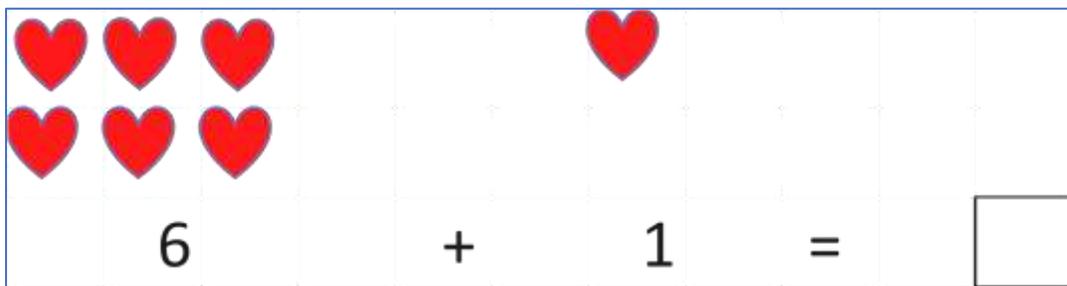
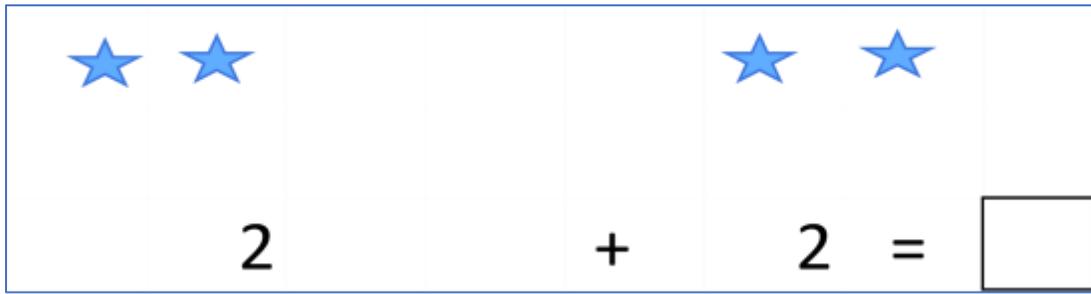
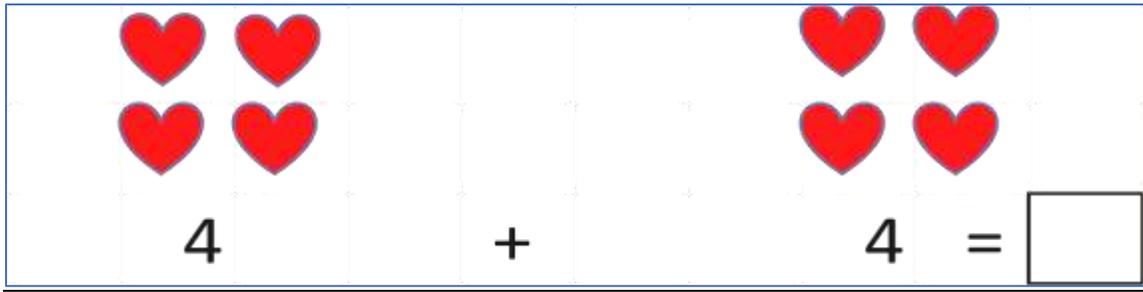
6 + 2 = 8

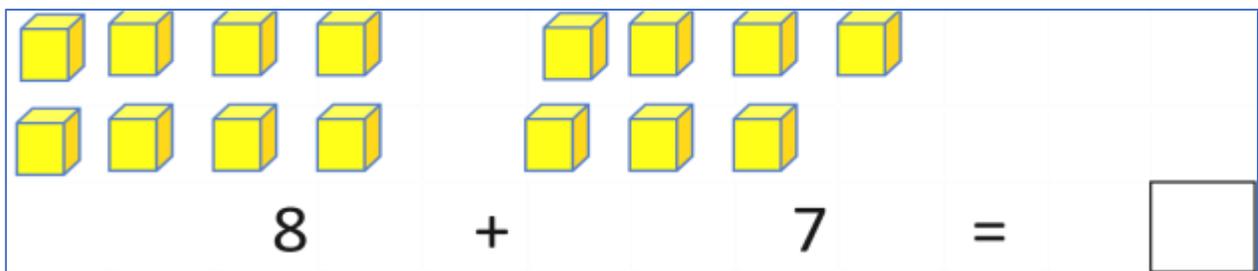
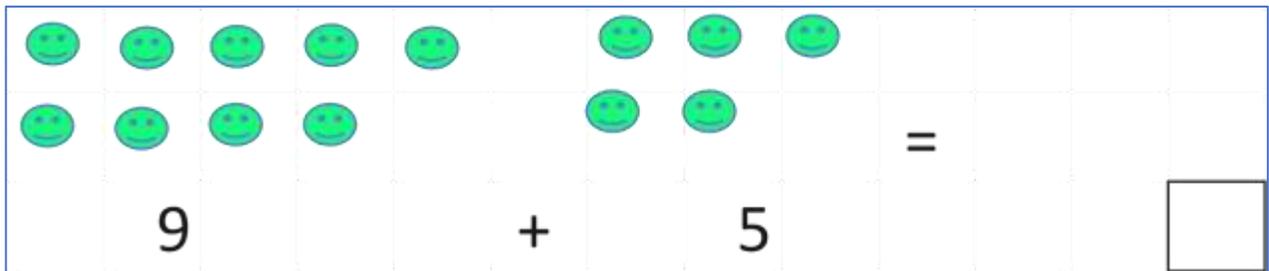
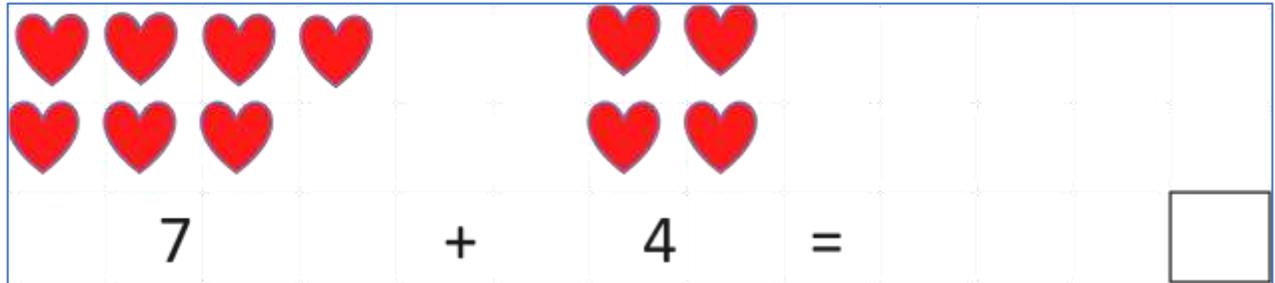
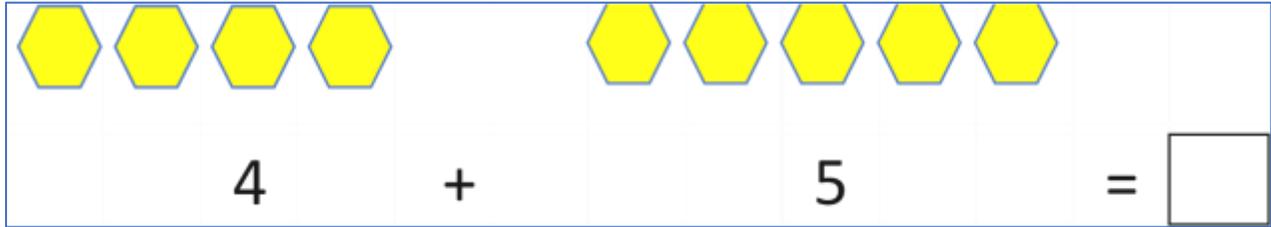
Try these

8 + 2 =

6 + 3 =

5 + 2 =





Unit 4 -WHAT COMES AFTER

Write what comes after

5	
8	
3	
0	
1	
7	
9	
6	
4	
2	

19	
12	
15	
13	
11	
16	
14	
20	
18	
17	

WHAT COMES AFTER

29	
25	
23	
26	
21	
24	
27	
30	
22	
28	

31	
35	
33	
37	
38	
40	
39	
34	
36	
32	

WHAT COMES AFTER

59	
51	
55	
57	
52	
54	
56	
60	
53	
58	

42	
49	
44	
47	
45	
43	
50	
46	
48	
41	

WHAT COMES AFTER

67	
70	
61	
65	
68	
63	
69	
64	
62	
66	

74	
76	
72	
78	
75	
80	
77	
79	
71	
73	

WHAT COMES AFTER

85	
81	
83	
87	
88	
90	
89	
34	
82	
86	

91	
97	
93	
99	
96	
94	
92	
95	
98	
90	

Read Aloud

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

WHAT COMES IN BETWEEN

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

WHAT COMES IN BETWEEN

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

WHAT COMES IN BETWEEN

25		27
36		38
23		25
41		43
24		26
69		71
30		32
22		24
38		40
17		19

WHAT COMES IN BETWEEN

38		40
10		12
69		71
34		36
66		68
72		74
33		35
87		89
31		33
75		77

WHAT COMES IN BETWEEN

57		59
45		47
43		45
50		52
66		68
48		50
41		43
72		74
49		51
94		96

Unit 5 BACKWARD COUNTING

Do backward counting and fill in the gaps.

10		8		6		4		2	
----	--	---	--	---	--	---	--	---	--

14		12		10			7		5
----	--	----	--	----	--	--	---	--	---

29			26			23		21	
----	--	--	----	--	--	----	--	----	--

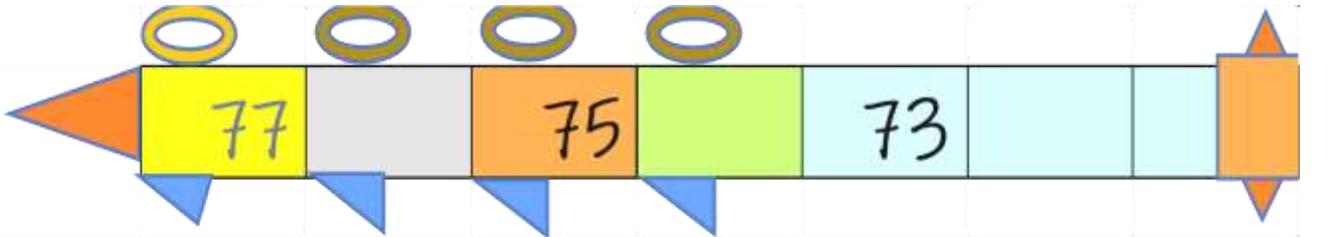
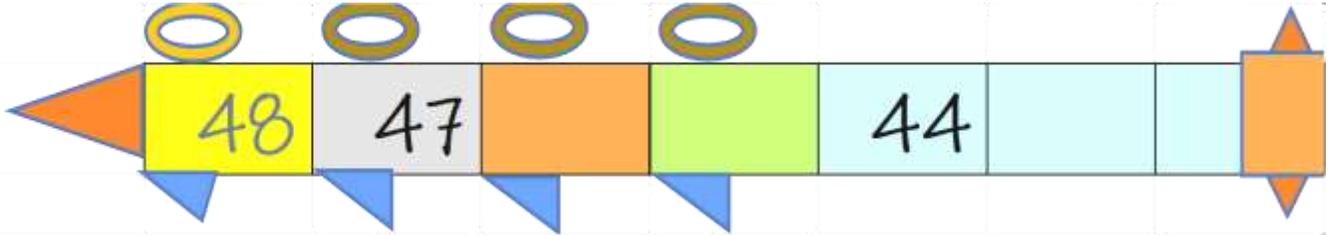
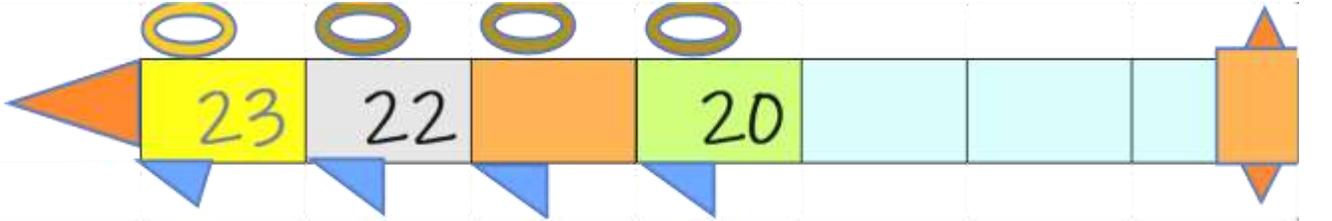
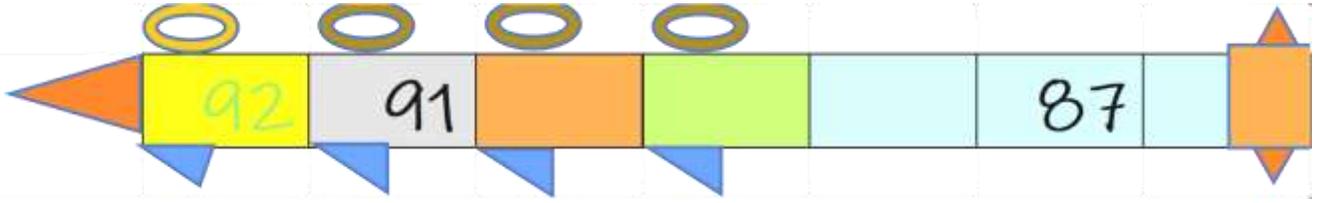
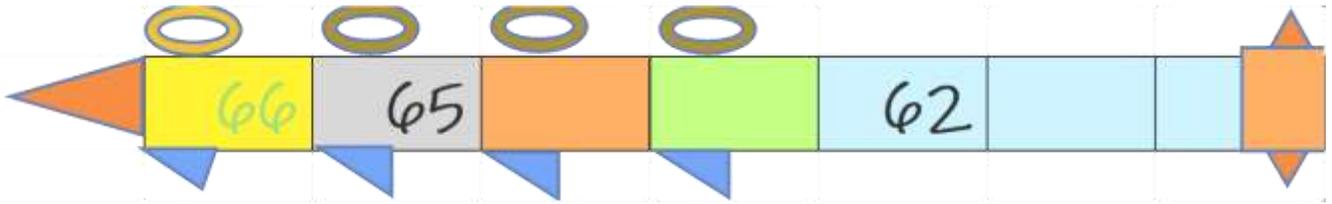
62			60			57		55	
----	--	--	----	--	--	----	--	----	--

93		91			88		86		84
----	--	----	--	--	----	--	----	--	----

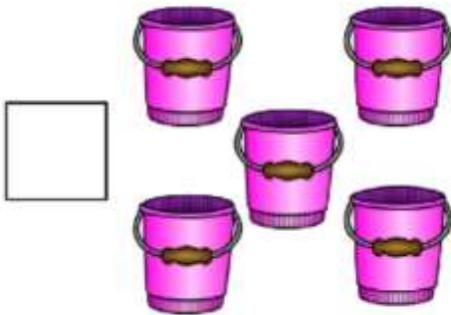
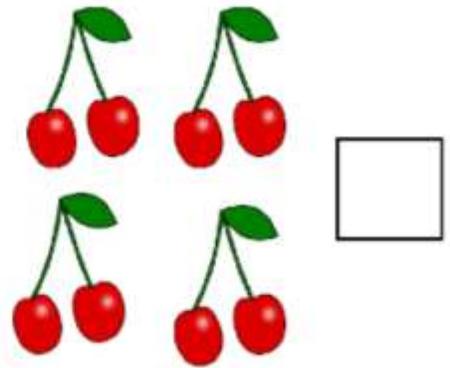
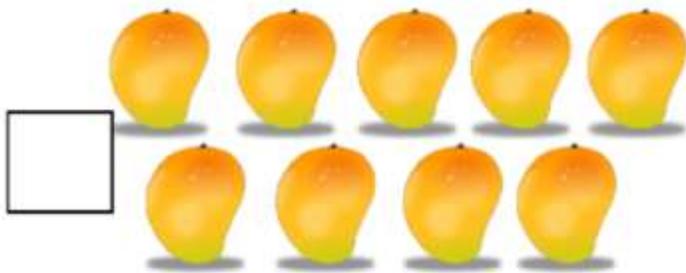
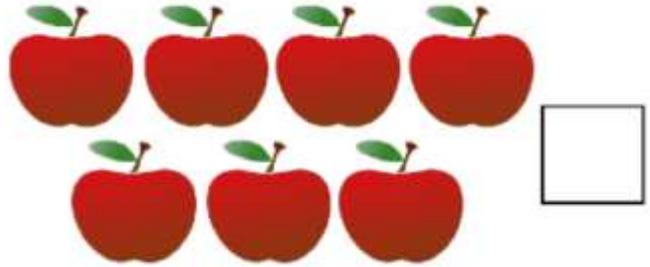
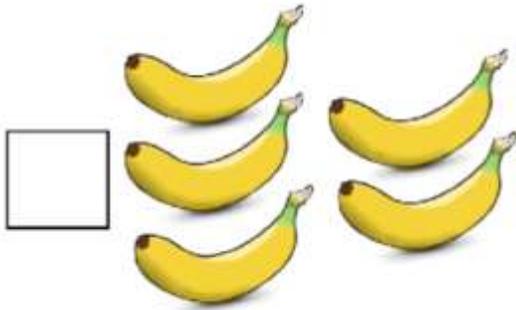
30		28		26		24		22	
----	--	----	--	----	--	----	--	----	--

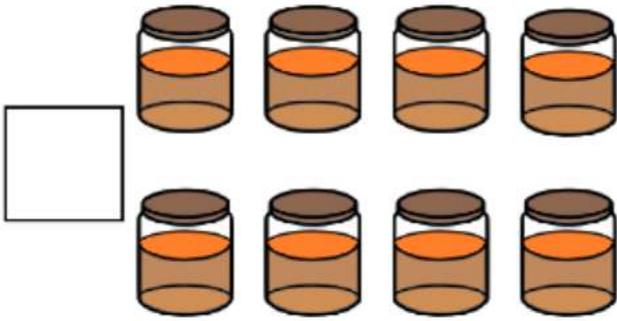
54		52		51		49			
47		45				42			38





Which is greater? Count the objects in each of the below and circle the greater one of the two.





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

0		7
22		66
36		30
42		56
66		20
51		15
78		78
92		99
69		92
91		18

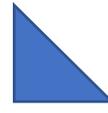
22		56
10		66
25		31
89		66
34		22
67		68
98		98
32		23
21		21
35		80

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

72		3
15		51
91		52
13		91
43		75
44		29
83		23
67		99
21		21
15		51

62		91
36		56
83		30
26		77
21		20
84		15
67		78
36		99
24		92
6		18

Unit 7-Take Away



5

—

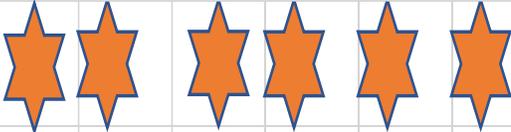
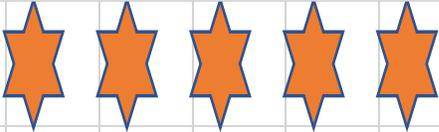
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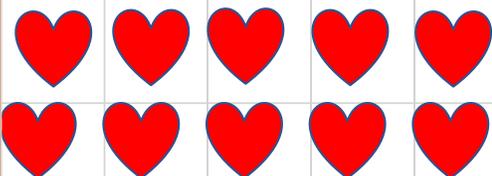
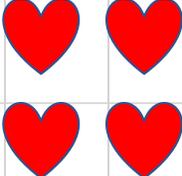
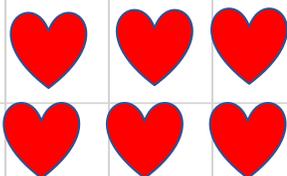
=

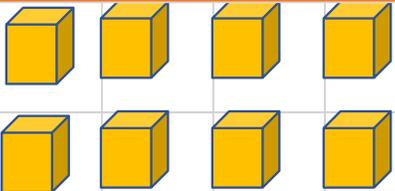
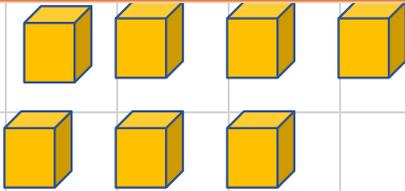
3

									=				
	9				-		3					6	

Take Away. Try the last one.

								
	6		-	1	=	5		

								
	10		-	4	=	6		

								
	8		-	7	=	1		

					=			
	9		-	6	=			<input type="text"/>

Take Away . Draw and write the answer.

7

-

2

=

9

-

6

=

10

-

5

=

12

-

6

=

8

-

4

=

10

-

8

=

8

-

1

=

14

-

3

=

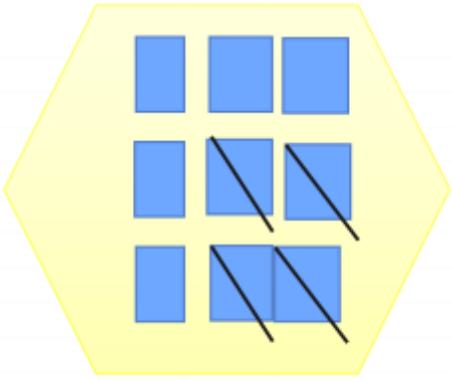
11

-

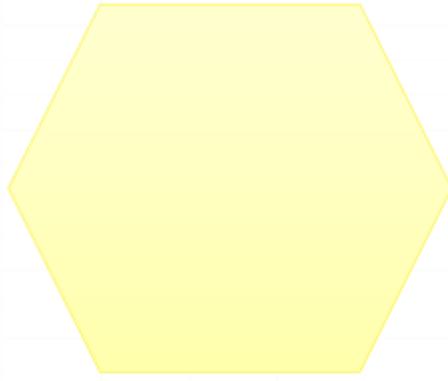
9

=

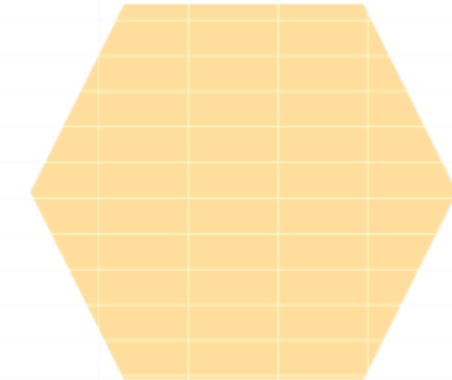
Draw and take away.....



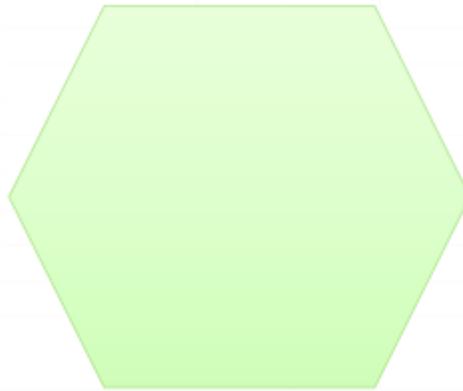
9	-	4	=	5
---	---	---	---	---



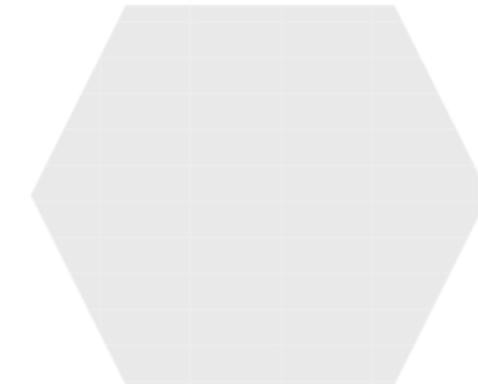
10	-	6	=	
----	---	---	---	--



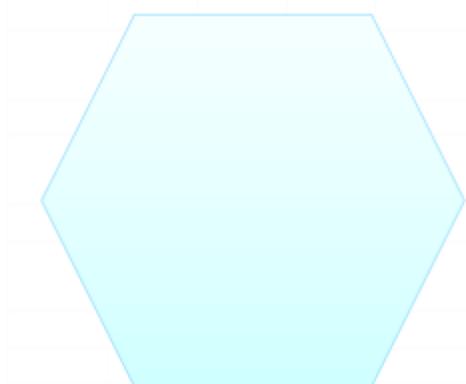
5	-	0	=	
---	---	---	---	--



8	-	4	=	
---	---	---	---	--



6	-	2	=	
---	---	---	---	--



9	-	8	=	
---	---	---	---	--

Take Away



$8 - 4 = \square$



$7 - 7 = \square$



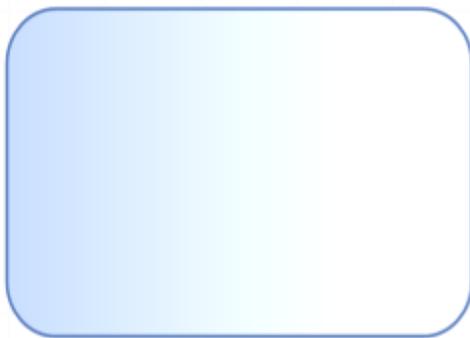
$10 - 2 = \square$



$14 - 4 = \square$



$4 - 3 = \square$



$10 - 8 = \square$



$$8 - 2 = \square$$



$$9 - 3 = \square$$



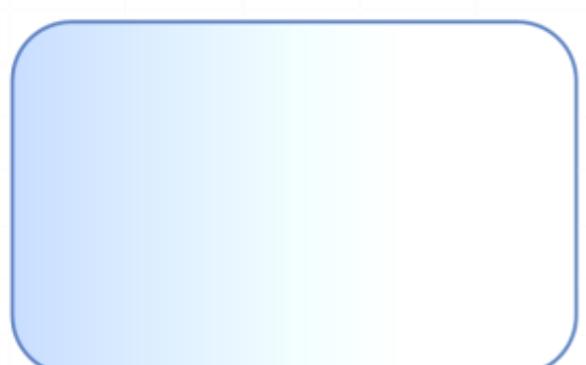
$$10 - 4 = \square$$



$$15 - 10 = \square$$



$$19 - 10 = \square$$



$$20 - 9 = \square$$



$$16 - 14 = \square$$



$$12 - 9 = \square$$



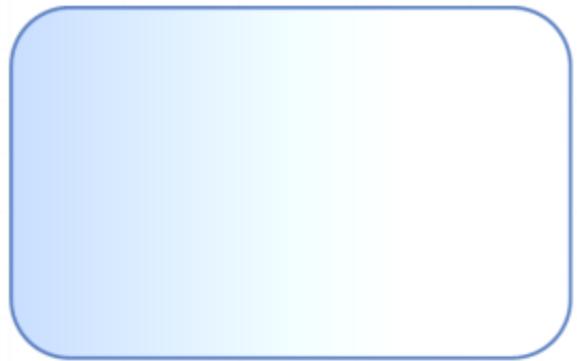
$$17 - 12 = \square$$



$$13 - 10 = \square$$



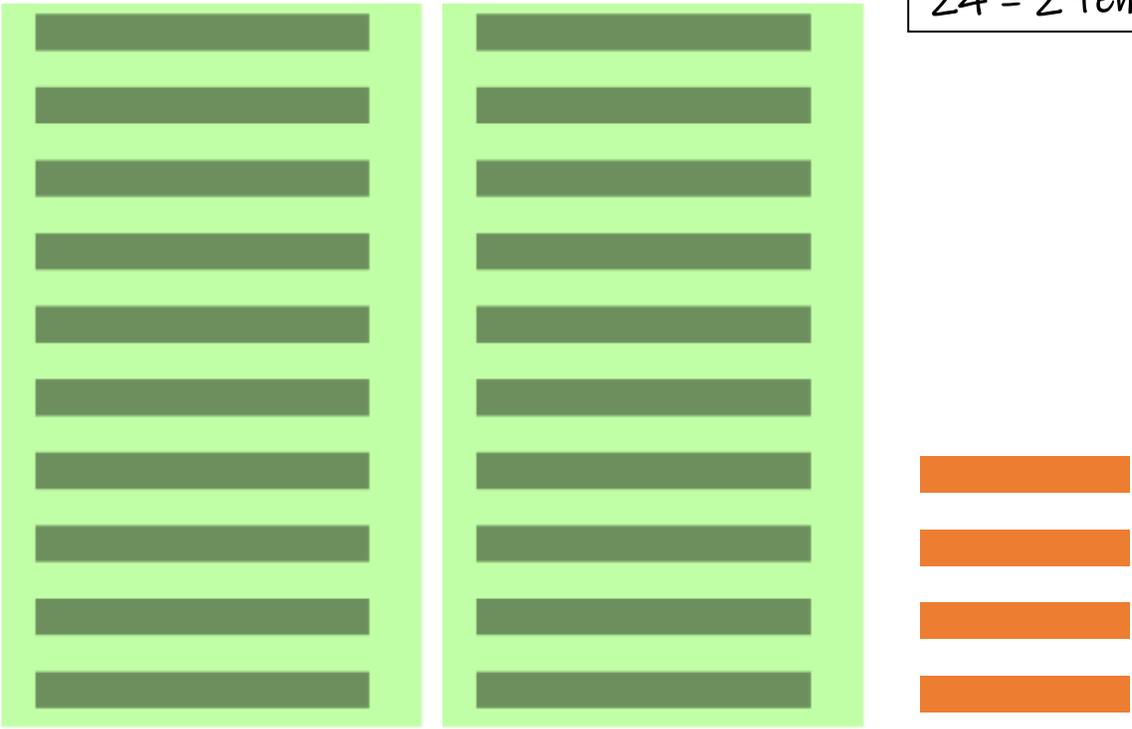
$$15 - 3 = \square$$



$$18 - 9 = \square$$

Unit 8 - Tens and ones

$24 = 2 \text{ tens and } 4 \text{ ones}$



$15 = 1 \text{ ten and } 5 \text{ ones}$



10 =

tens ones

18 =

tens ones

17 =

tens ones

14 =

tens ones

11 =

tens ones

19 =

tens ones

15 =

tens ones

Answer the following

19 = tens

ones

11 =

ones

18 =

ones

15 =

ones

10 =

ones

12 =

ones

17 =

ones

Try these. Add the tens and ones

38 = tens ones

46 = tens ones

55 = tens ones

62 = tens ones

77 = tens ones

80 = tens ones

92 = tens ones

29 = tens ones

36 = tens ones

19 = tens ones

84 = tens ones

22 = tens ones

58 = tens ones

9 = tens ones

72 = tens ones

Try these. Add the whole tens and ones

$80 + 5 = \boxed{85}$

$10 + 3 = \boxed{}$

$90 + 5 = \boxed{}$

$40 + 4 = \boxed{}$

$30 + 8 = \boxed{}$

$70 + 1 = \boxed{}$

$30 + 9 = \boxed{}$

$10 + 0 = \boxed{}$

$90 + 0 = \boxed{}$

$20 + 2 = \boxed{}$

$50 + 7 = \boxed{}$

$80 + 8 = \boxed{}$

$10 + 3 = \boxed{}$

Unit 9 - SHAPES

Match the shapes.



Circle

Square

Hexagon

Crescent

Oval

Pentagon

Triangle

Rhombus

Rectangle

And color the shapes as follows-

Circle – Red

Square -Blue

Hexagon- Pink

Crescent -Green

Oval-Black

Pentagon - Yellow

Triangle – Orange

Rhombus- Purple

Rectangle – Brown

Other shapes



How many Triangles? _____

How many Squares? _____

How many Rectangles? _____

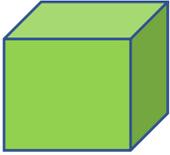
How many Crescents? _____

How many Circles? _____

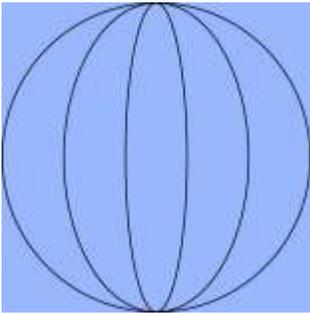
Other shapes - 3 Dimension shapes



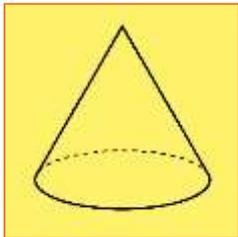
This is a Cuboid



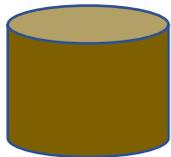
This is a cube.



This is a sphere

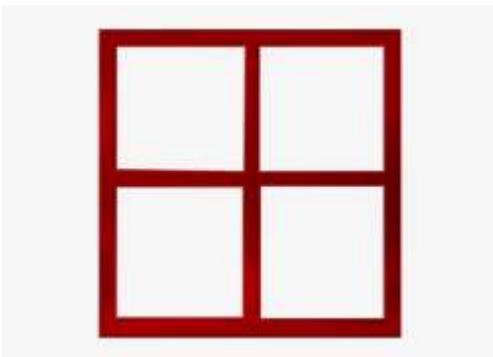
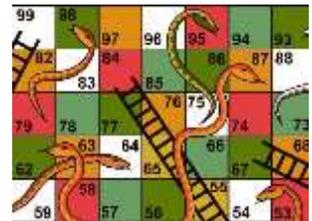
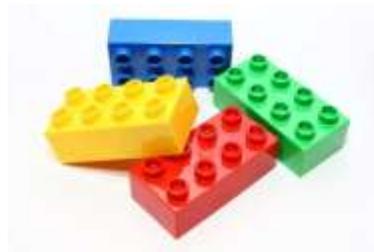


This is a cone

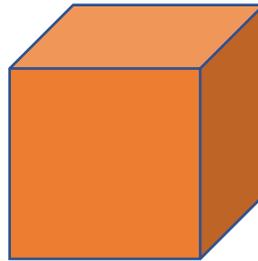
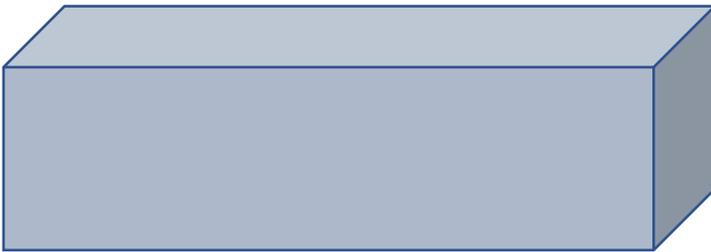
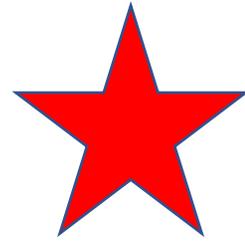
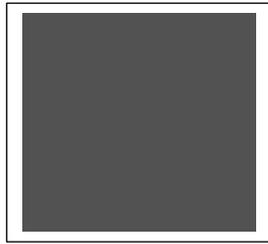
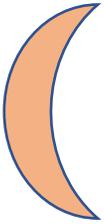
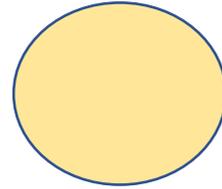
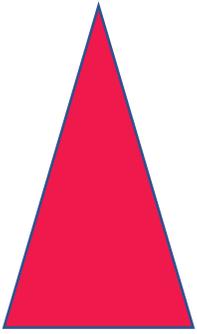


This is a cylinder

Identify these shapes

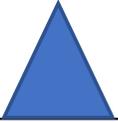
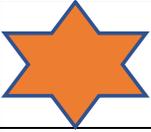
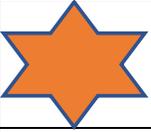
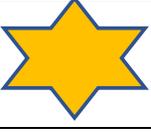
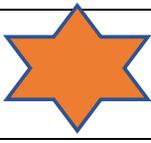


Identify the following shapes

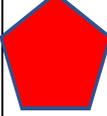
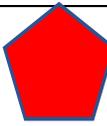
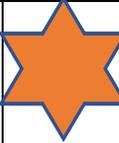
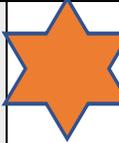


Unit 10 - Pattern Sequence in shapes and numbers

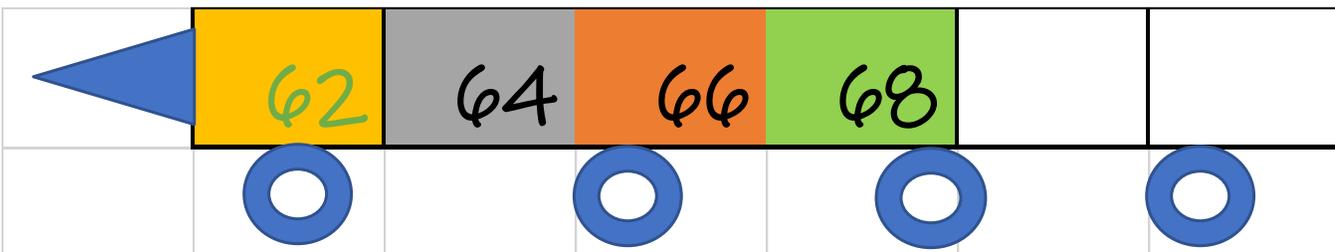
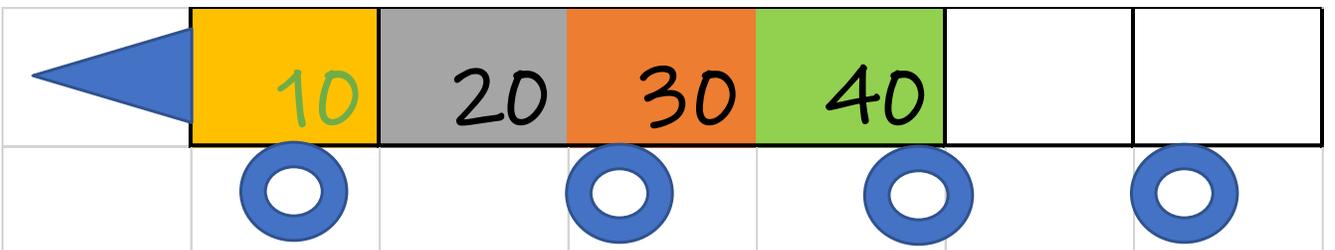
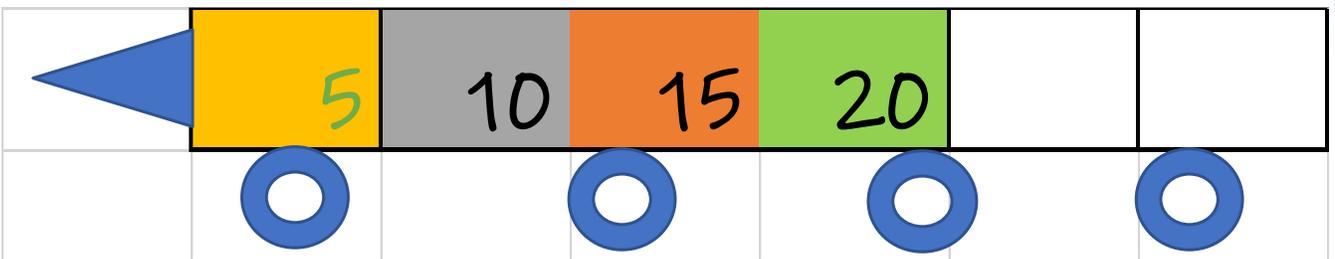
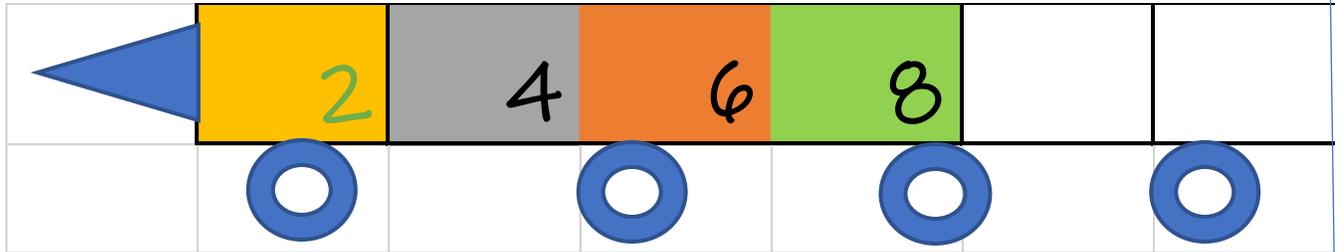
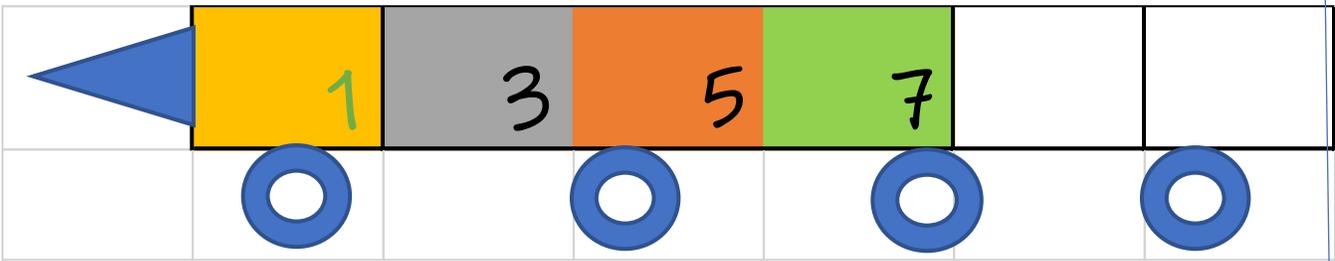
What pattern comes in the grey squares

What pattern comes in the grey squares

See the patterns and fill in the blanks.

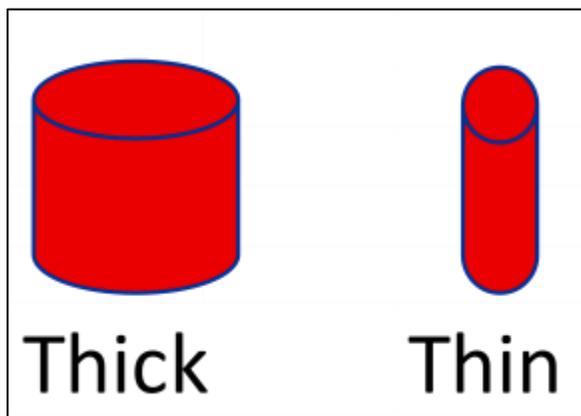
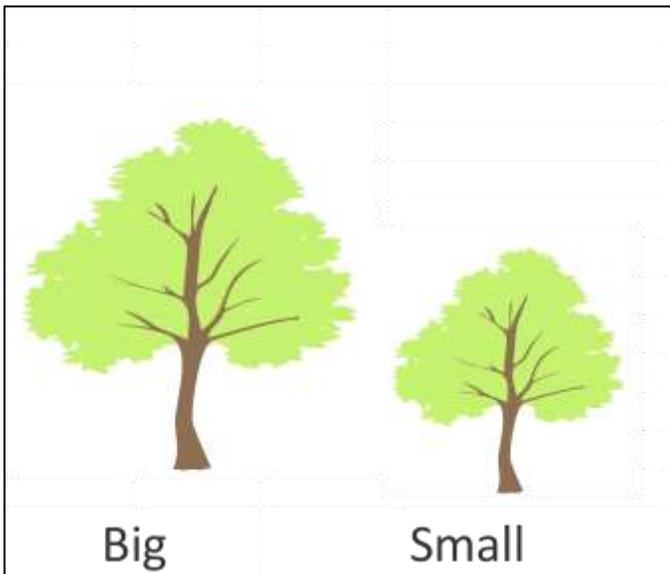
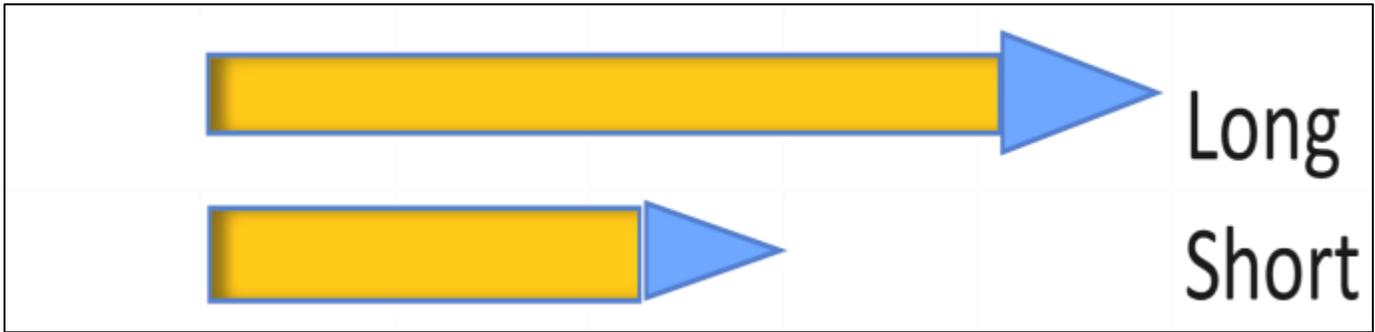


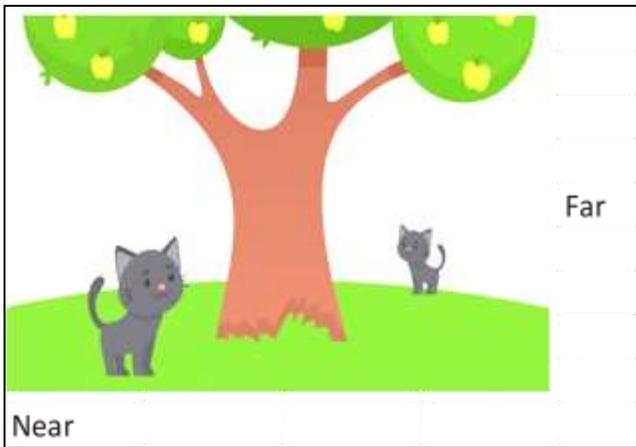
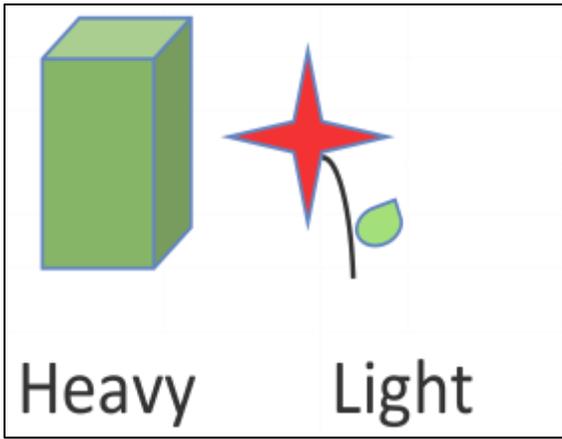
See the patterns and fill in the blanks.

22	24	26								
1	3	5	7							
15	20	25								
20	30	40		60		80				
41	51	61								
15	15	35			65					
0	5	10		20		30				
41	43	45		49						
67	68	69								
90	80	70								
82	72	62								

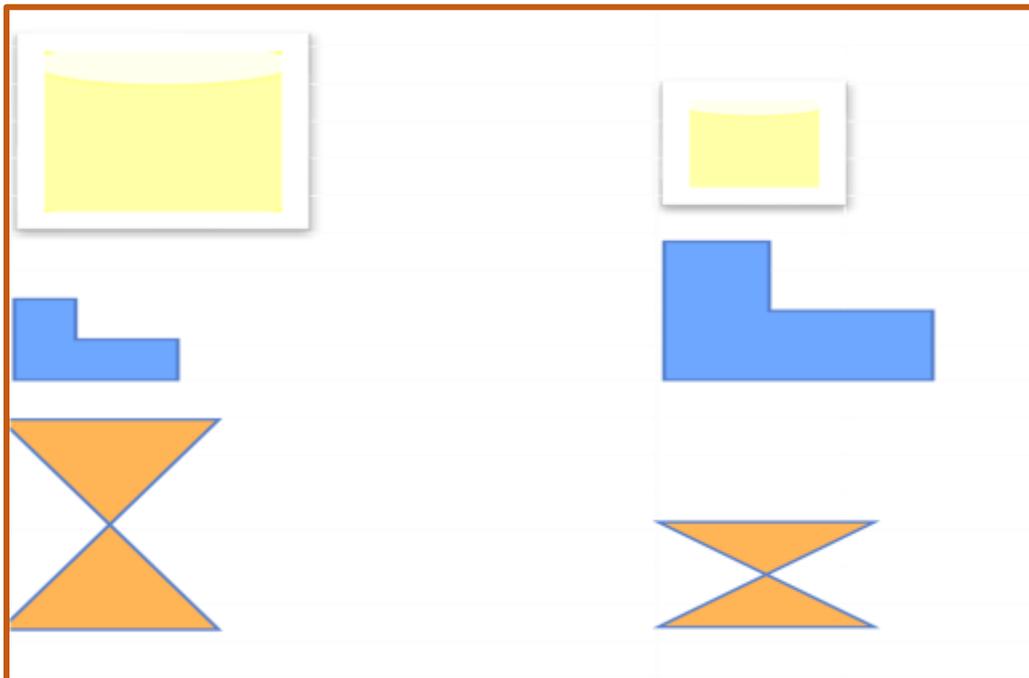
See the patterns and fill in the blanks.

Unit 11- MEASUREMENT

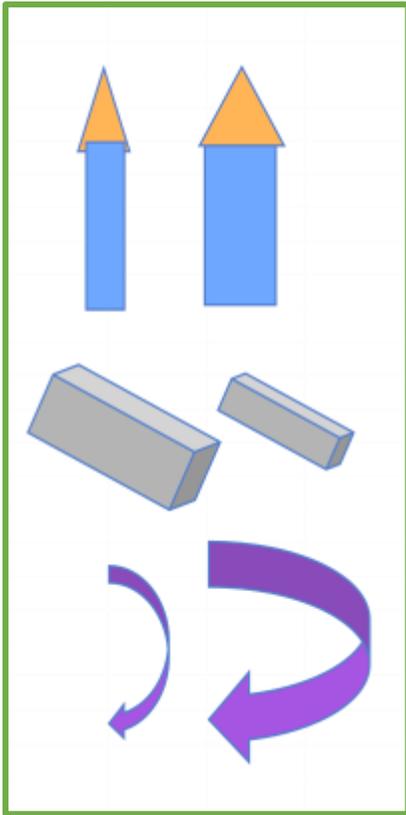




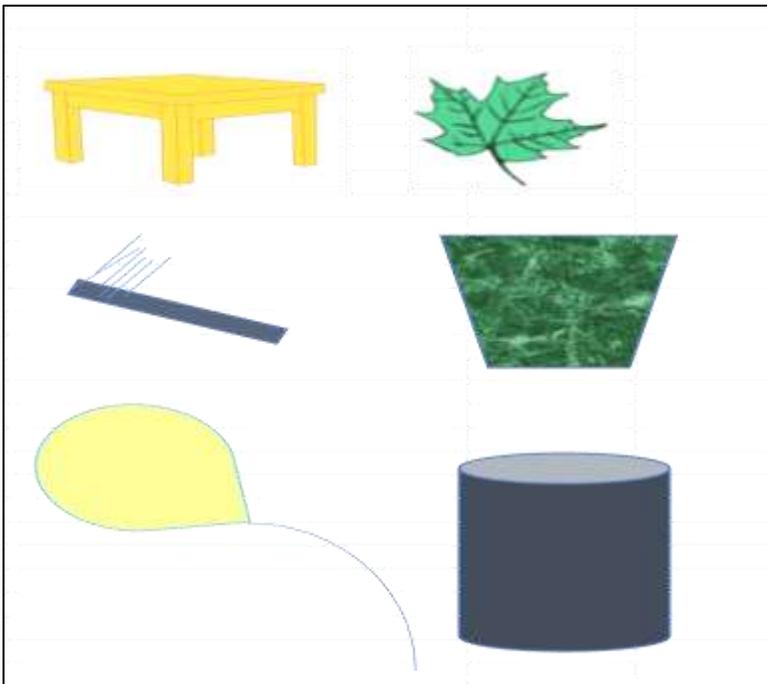
TICK THE SMALLER OBJECT



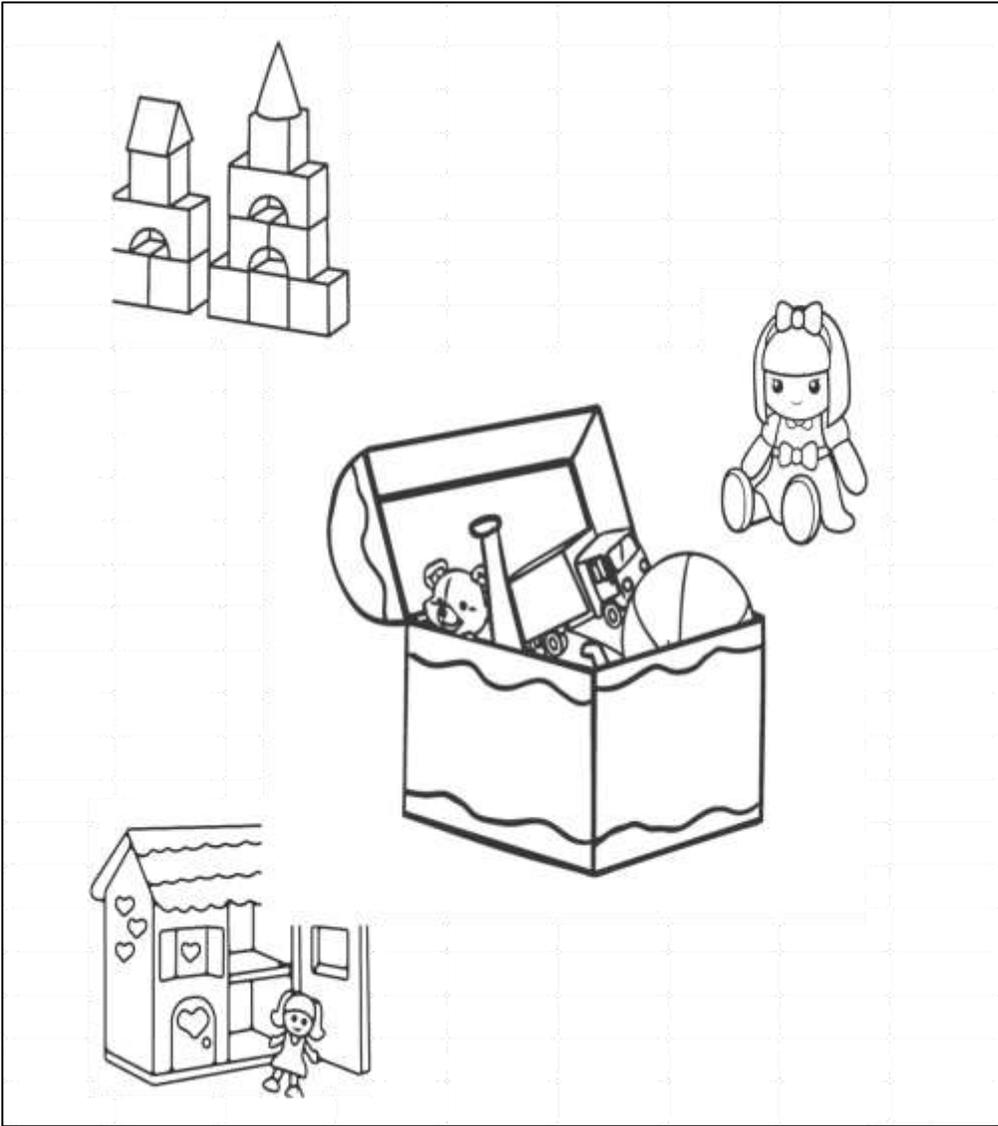
TICK THE THIN OBJECT



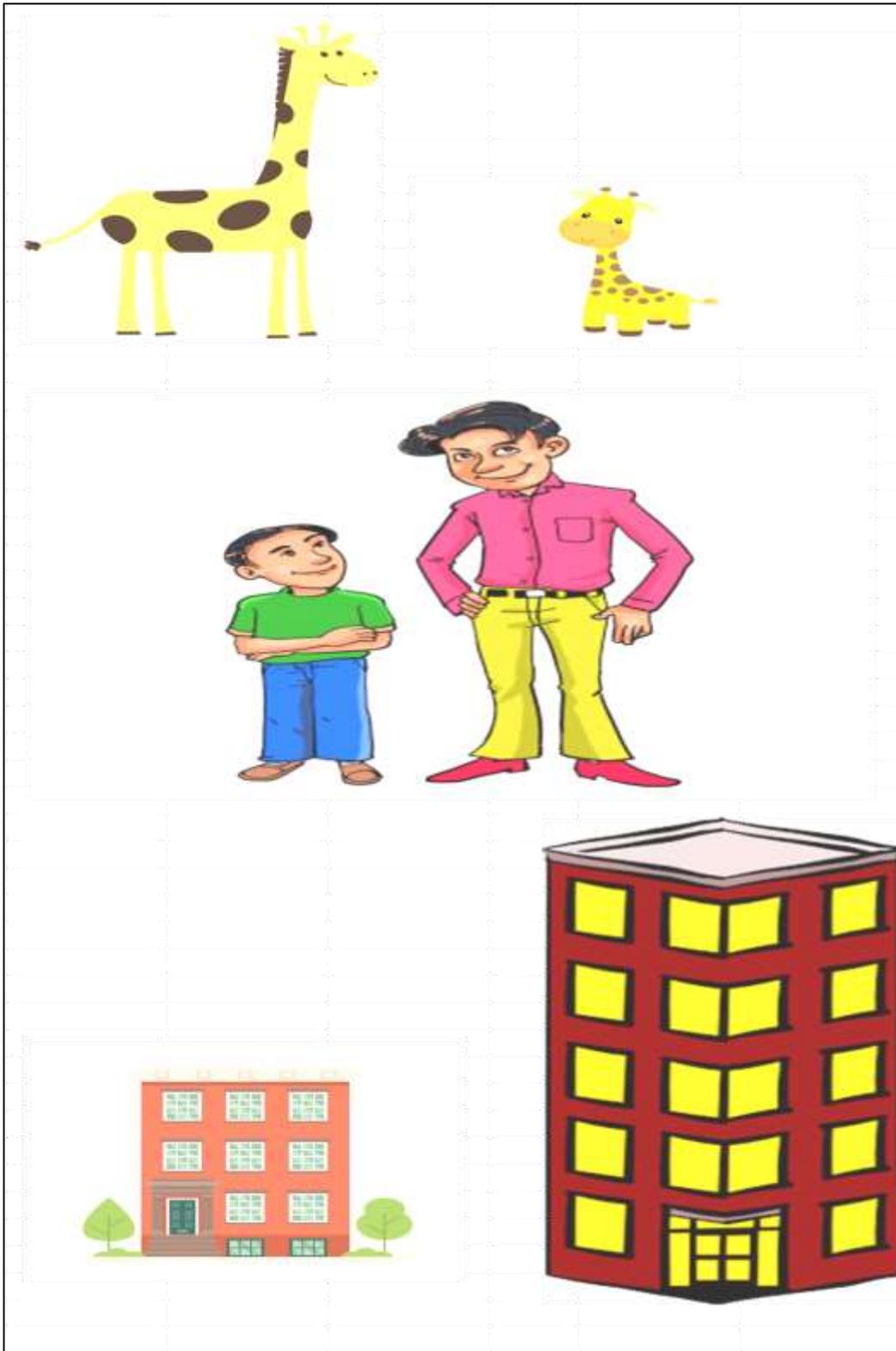
TICK THE HEAVY OBJECT



Tick the objects that are far and color all the pictures



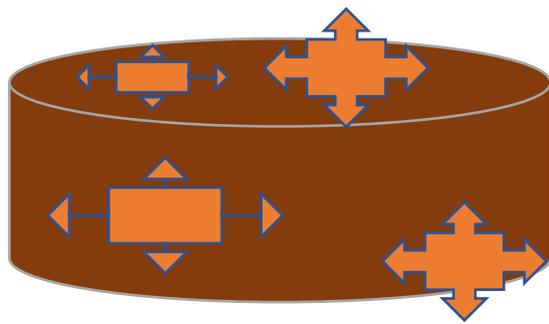
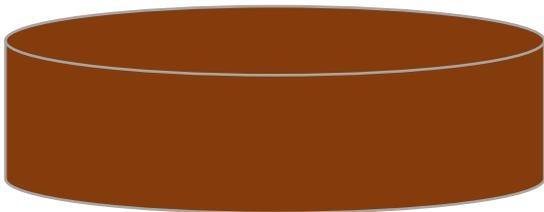
TICK THE TALL OBJECT



Measurement -

EMPTY / FULL

Circle the empty figure in each pair.



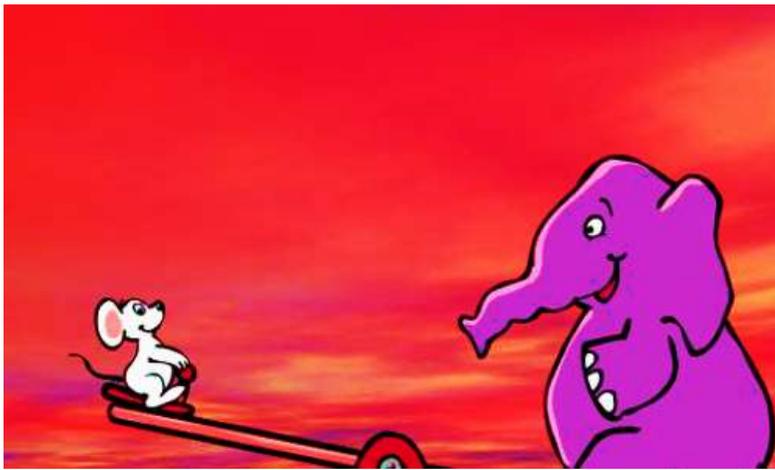
Front / Back

Circle the front-facing picture in each pair



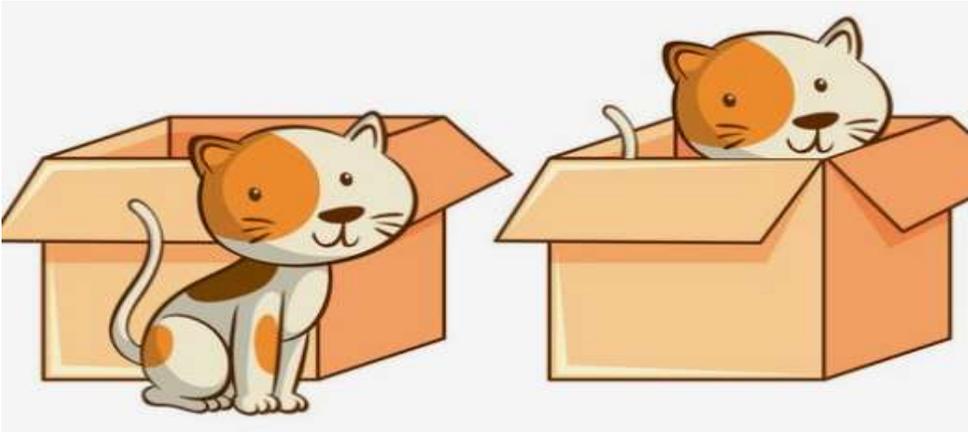
Heavy / Light

Circle the pictures or objects that is lighter in each pair.



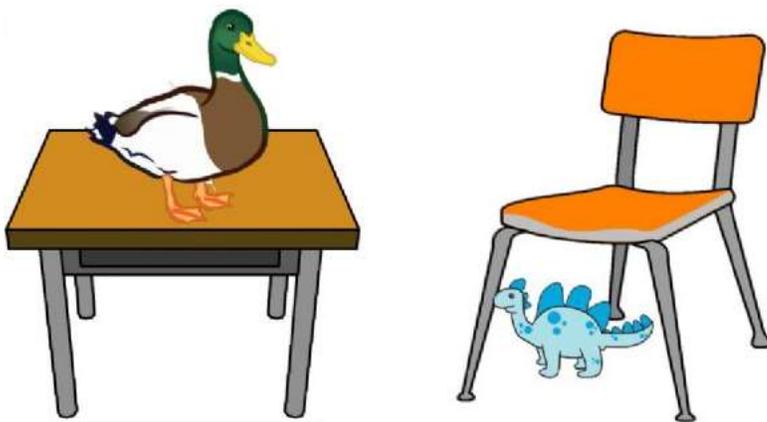
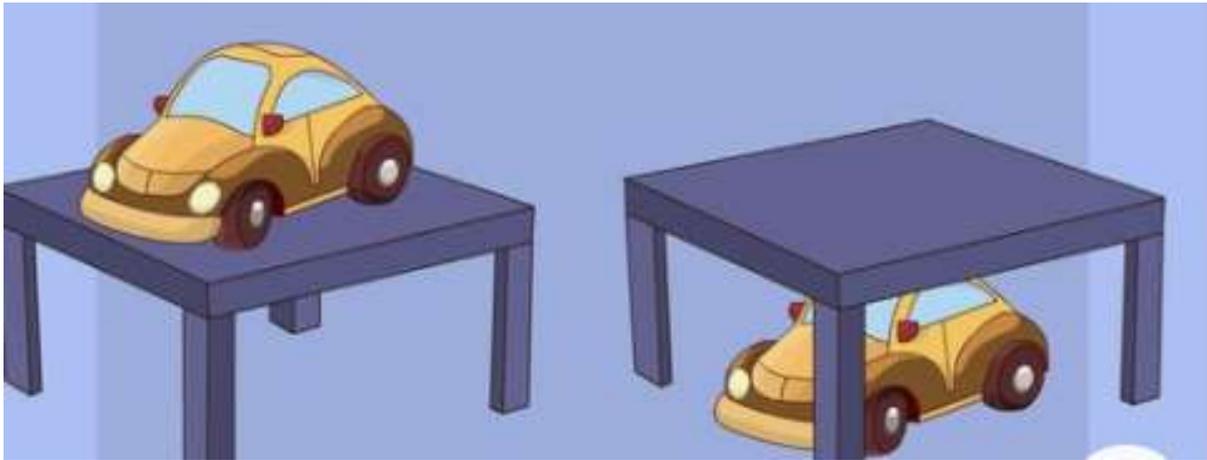
Inside / Outside

Circle the object that is outside in each picture.



On/Under

Circle the object that is under in each picture.



Look at the picture and choose the correct answer from the options.



1. The paintings are _____ the wall. [in, on]
2. The standing lamp is _____ the couch. [in front of, behind]
3. There are two plant pots _____ the shelf. [inside, outside]
4. The Chair is _____ the window. [near, away]
5. The carpet is _____ the floor. [under, in]
6. There are two cushions _____ the couch. [inside, in]

Look at the picture and fill in the blanks with the words in the bracket below]

[near, besides, on, between, above]



1. The gas cooker is in _____ two storing units.
2. The exhaust is _____ the cooker.
3. There is a cooking pot _____ the cooker.
4. The fridge is _____ the oven.
5. The two chairs are _____ the table.

Unit 12- 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.



The first month of the year is _____

The last month of the year is _____

Fill in the boxes.

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

DAYS OF THE WEEK



What day is today? _____

What day is tomorrow? _____

What day will it be day after tomorrow? _____

What day was it yesterday? _____

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			
---	--	---	---	--	---	--	--	--

W		N	D					
---	--	---	---	--	--	--	--	--

T		E	S		A			
---	--	---	---	--	---	--	--	--

S		N	D		Y			
---	--	---	---	--	---	--	--	--

Unit 13-NUMBER NAMES

Read aloud and practice

One	=	1	
Two	=	2	
three	=	3	
Four	=	4	
Five	=	5	
Six	=	6	
Seven	=	7	
Eight	=	8	
Nine	=	9	
Ten	=	10	

Write and Practivce

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

Write and Practice

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

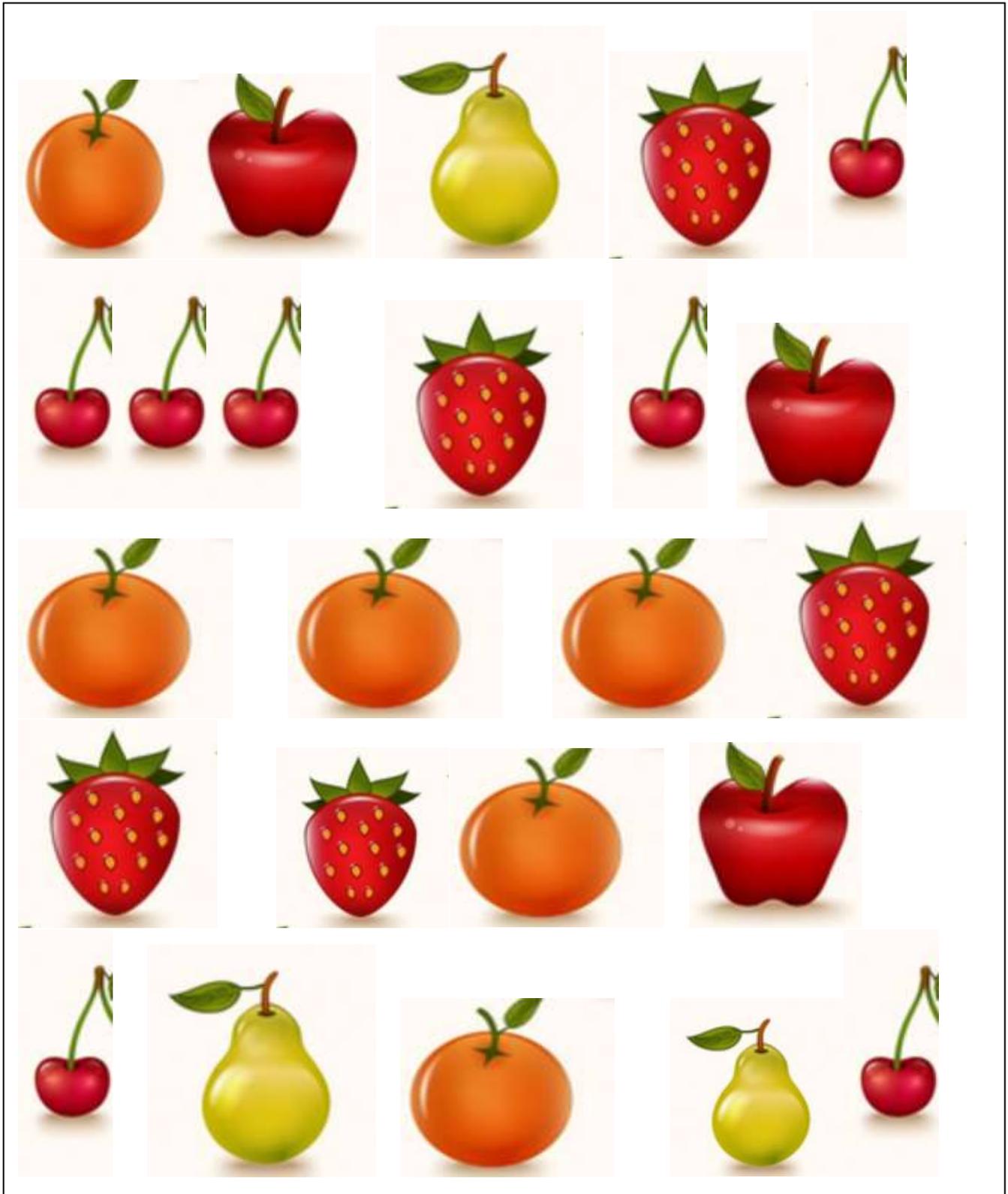
Write and Practice

Write the Number Names and draw objects.

4	=	Four	
17	=		
3	=		
6	=		
0	=		
18	=		
13	=		
8	=		
15	=		
2	=		
10	=		
7	=		
11	=		
16	=		
19	=		
1	=		
14	=		
9	=		
20	=		
5	=		
12	=		

Unit 14 -Data handling

Exercise 1



Count and write

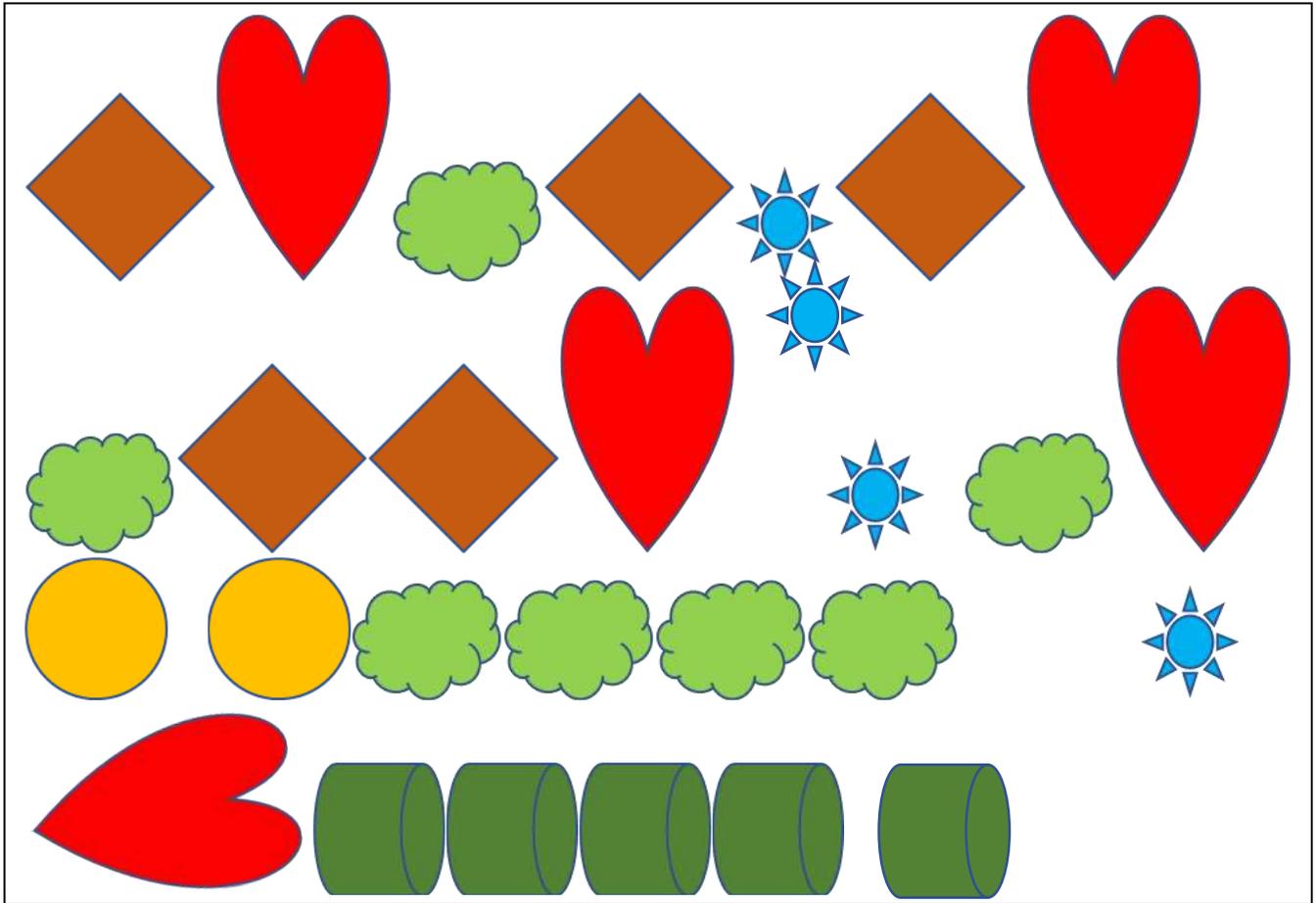


How many letters do each fruit have . Write the number in the block provided.

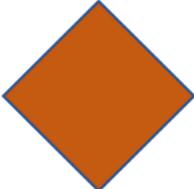
P	A	P	A	Y	A						
P	I	N	E	A	P	P	L	E			
C	U	S	T	A	R	D					
I	C	E	C	R	E	A	M				
P	E	A	R								
G	R	A	P	E	S						
W	A	T	E	R	M	E	L	O	N		
O	R	A	N	G	E						
S	T	R	A	W	B	E	R	R	Y		
R	A	S	B	E	R	R	Y				

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 ?	

Exercise 2



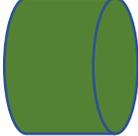
How many  = _____

How many  = _____

How many  = _____

How many  = _____

How many  = _____

How many  _____

TEST

Test 1

1. What day comes after Friday?

a. Saturday b. Thursday c. Wednesday

2. If I take away 6 from 10, what is left with me. _____

3. I have 3 apples. Dait gave me 4 more. How much do I have now?

4. Fill in the missing number 25, 26, 28, 30.

5. Circle the smallest number. 25 56 89

6. Name this shape. _____



7. Write the numeral for Forty-seven. _____

8. Fill in 49, 48, 46, 44, 42, 40.

9. What comes in between 39 and 40? _____

10. What comes before 89? _____

Test 2

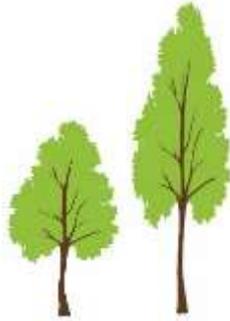
- What day comes before Monday?
a. Saturday b. Sunday c. Tuesday
- If I take away 2 from 9, what is left with me.
- I have 7 apples. Baga gave me 5 more. How much do I have now?

- Fill in the missing number 5, 7, 11, 15
- Circle the biggest number. 82 12 56
- Name this shape.  _____
- Write the numeral for Sixty-Seven _____
- Fill in 34, 36, 38, 40.
- What comes in between 9 and 11? _____
- What comes after 68? _____
- Count and write.

					
					
5	+	6	=	<input type="text"/>	

Test 3

1. Fill the missing number 5, 10, ,20, ,30, _____, 40



2. Circle the shorter tree

3. Circle the bigger number 13, 28, 4

4. Name this shape.



5. Write the numeral for Nineteen

6. Fill in 30, 40, 50, 70, 90.

7. What comes after 44

8. What comes before 12

9. What is 3 plus 3 =

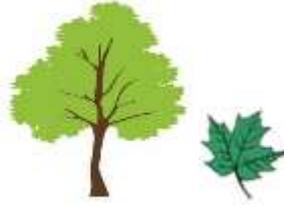
10. The first month of the year is

Test 4

1. 4 tens and 5 ones =
2. Thirty-eight in number form = _____
3. Take away two from 12 = _____ -
4. 6+4 = _____
5. The day after Tuesday is _____
6. Your birthday falls in the month of _____
7. Draw a square.
8. Write the numeral for Twenty one
9. Write the number name for 69
10. Count backward from 45 to 28

<u>45</u>								
								<u>28</u>

Test 5



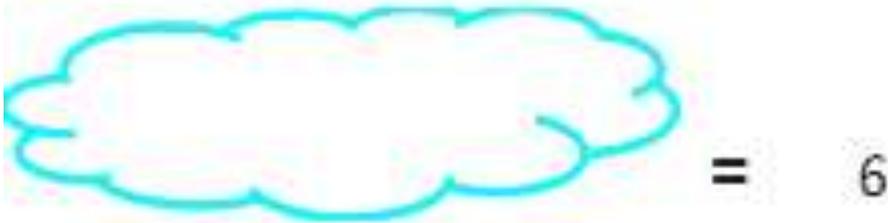
1. Circle the lighter object
2. Circle the bigger number 33, 88, 46
3. Name this shape. 
4. Write the numeral for Thirty-six
5. Write the number name for 11
6. Count backward from 25 to 8

7. I have 17 marbles. Baga gave me 1 more. How much do I have now?

8. Fill in the missing number 2, 4, 8, 12, 16, , 22.
9. Circle the bigger number. 10, 9
10. What day comes two days after Monday? _____.

I

TEST 6 - Draw objects

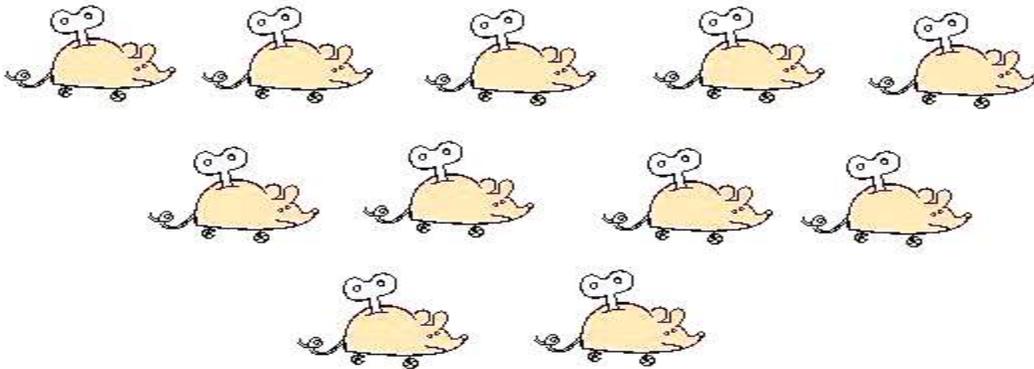


FINAL TEST

1. Write the missing numbers.

10, _____, _____, 40, _____, 60, _____, 70, _____

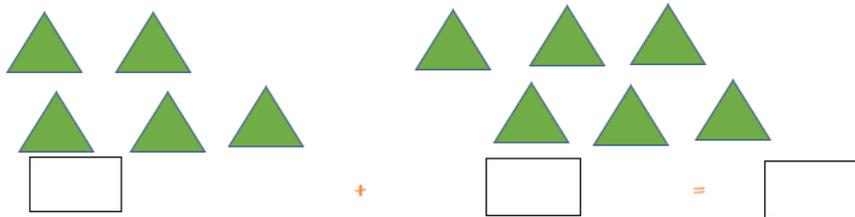
2. Circle 10 mice.



3. Write the missing numbers.

22, 20, _____, 16, _____, 12, 10, _____

4. Count and write:



6. Draw a circle in the space below

7. Circle the rectangle. Color the triangle pink. Scribble over the rectangle. Color the oval green.



8. Days of the week.

There are _____ days in a week

If today is Tuesday, what day will it be in 3 days? _____

There are _____ months in a year.

The last month of the year is _____ .

9. Palo gave jelly beans to his Ubbly and ate 4. How many jelly beans did Palo have? _____

10. Which animal is heavier? Write your answer in the space provided.

An elephant or a mouse? _____

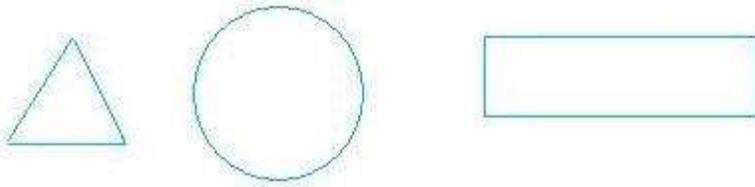
11. Which animal is taller? Write your answer in the space provided.

A horse or a giraffe? _____

12. Cross out the odd one out



13. Color half of the shapes below:



14. Fill in

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



Over to book
Three