

تم تحميل هذا الملف من موقع المناهج الإماراتية



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Self-evaluation 2 on unit 2

1 Find the missing number :

a)  $6 + 7 = 6 + \_ + \_ = 10 + \_ = \_$

b)  $8 + 5 = 8 + \_ + \_ = \_ + \_ = \_$

2 Salah Picking (13) rose and then picking (6) other roses. What is the number that salah picking from the roses ?

Number of roses = \_\_\_\_\_ = \_\_\_\_\_ @ rose

3 Find the missing number :

a)  $7 + \_ = 12$

b)  $8 - \_ = 4$

c)  $16 - \_ = 8$

d)  $5 + \_ = 11$

4 Use the Chart find the following:

a)  $9 + 8 = \_$

b)  $15 + 6 = \_$

c)  $20 + 11 = \_$

d)  $60 - 20 = \_$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Number up to 999



General aims : student should be able to :



- Participate in maths evaluation activities .
- Read and write **three** - digit numbers .
- Represent **three** - digit numbers .
- Specify the location and value of each number in a **three** - digit number .
- Read and write numbers from 1 to 19 in letters .
- Read and write multiples of 10 to 90 in letters .
- Use the place value to compare **two** - and **three** - digit numbers .
- Use sign ( $>$ ,  $=$ ,  $<$ ) to express comparisons .
- Arrange a set of numbers ( ascending - descending )

Exercises inspired by

Discover Book


Bakkar exercises on the unit




Ex 2 Find the missing number :

1. A basket has (15)  (6)  of them fly away.


How many  remained ?



15 -      = 9  
15 - 6 = 9  
Number of  = 6

2. A box contains (20)  (11)  of them go out.  
How many  remained ?



20 -      = 11  
20 - 9 = 11  
Number of  = 9

- 6 -      = 9
- 8 -      = 5
- 9 -      = 4
- 12 -      = 8

- 7 -      = 1
- 12 -      = 9
- 14 -      = 8
- 14 -      = 7

Exercise on lesson (17, 18)

1 Find the missing number :

- 4 +      = 7
- 9 +      = 12
- 7 +      = 15
- 8 +      = 13
- 5 +      = 14
- 7 +      = 9
- 11 +      = 14
- 6 +      = 11
- 9 +      = 15
- 6 +      = 12

2 Find the missing number :

- 9 -      = 4
- 4 -      = 4
- 15 -      = 12
- 10 -      = 6
- 17 -      = 9
- 7 -      = 2
- 11 -      = 8
- 13 -      = 7
- 8 -      = 1
- 12 -      = 5



3 Find the missing number :

5 + \_\_\_ = 10

9 + \_\_\_ = 18

8 + \_\_\_ = 16

6 + \_\_\_ = 12

10 + \_\_\_ = 20

7 + \_\_\_ = 14

4 Answer the following :

My Dad bought ( 12 ) pens , then gave ( 7 ) pens to my sister , How many pens remained ?

Number of pens = 7 + \_\_\_ = 12 pens  
The remaind = \_\_\_\_\_

Alli has ( 15 ) books , he put ( 9 ) books in a bag . How many book remaind ?

Number of books = 9 + \_\_\_ = 15 books  
The remaind = \_\_\_\_\_

I'm ( Noor mother ) , I met a tourist group of 17 tourists , 10 of whom boarded thier rooms and the rest went out for a walk . How many tourists come out ?

Number of tourists = 17 - \_\_\_\_\_ = 10 tourists  
The remaind = \_\_\_\_\_

Ex 1 Find the missing number :

Ex 6 + \_\_\_ = 12  
Number = 6 Fingers

Solution 6 + 6 = 12

10 + \_\_\_ = 16  
Fingers

11 + \_\_\_ = 19  
Fingers

8 + \_\_\_ = 12  
Fingers

14 + \_\_\_ = 17  
Fingers

Ex 2 Find the missing number :

Ex 13 - \_\_\_ = 6  
Number = 7

Solution 13 - 7 = 6

11 - \_\_\_ = 7  
Fingers

19 - \_\_\_ = 11  
Fingers

13 - \_\_\_ = 9  
Fingers

**Ex 3** Add and subtract on 120's frame :

The method of addition on the 120 frame

Moving right  $\rightarrow$  Squares as the number of ones.

Moving up  $\uparrow$  Squares as the number of tens

The method of subtracting on the 120 frame

Moving left  $\leftarrow$  Squares as the number of ones.

Moving down  $\downarrow$  Squares as the number of tens

**a** The student choose the number (12) and then another student choose the number (24) and then the teacher asked them to add them on the frame 120 using the red pen

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

**b** The student choose the number (109) and then another student choose the number (46) and then the teacher asked them to put them on the 120 frame using the green pen

**c** The student is asked to collect two numbers (—), (.....) On chart using red pen

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

**d** The student is asked to subtract two numbers (—), (.....) On chart using green pen

**Exercises on Lesson ( 19 , 20 )**

**1** Find the missing number :

**Ex**  $9 + \underline{\quad} = 13$



$9 + 4 = 13$

**Solution** 4 Fingers

**a**  $7 + \underline{\quad} = 14$

**b**  $12 + \underline{\quad} = 17$

**c**  $3 + \underline{\quad} = 10$

**d**  $6 + \underline{\quad} = 16$

**2** Find the missing number :

**Ex**  $13 - \underline{\quad} = 9$



$13 - 4 = 9$

**Solution** 4 Fingers

**a**  $9 - \underline{\quad} = 5$

**b**  $11 - \underline{\quad} = 8$

**c**  $18 - \underline{\quad} = 9$

**d**  $5 - \underline{\quad} = 1$

**3** Use the Chart to find the following :

**a**  $21 + 10 = \underline{\quad}$

**b**  $32 + 20 = \underline{\quad}$

**c**  $66 + 31 = \underline{\quad}$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
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41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Ex 2 Answer the following as in (a):

a Salma caught 18 she cooked 10 of them, How many remained?

Solution Number of =  $18 - 10 = 8$

b Ahmed has 15 he put 6 in water, How many remained?

Solution Number of =  $\dots - \dots = \dots$

c Mostafa bought 16 he put 6 on the table, How many with him?

Solution Number of =  $\dots - \dots = \dots$

d With Rashida 13 , she gave her father 3 , How many left with her?

Solution Number of =  $\dots - \dots = \dots$

e With Laila 17 and she gave her sister 10 How many remained with Laila?

Solution Number of remaining =  $\dots - \dots = \dots$

Exercise on lesson 15, 16

1 From the Chart, find:

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
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41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

a  $14 + 9 = \dots$

b  $18 - 4 = \dots$

c  $13 + 6 = \dots$

d  $13 - 6 = \dots$

2 Answer the following:

Aya has 4 ruler her sister has the same number of ruler, How many rulers do they have?



Solution Number of =  $\dots + \dots = \dots$

3 Answer the following:

Mrawan has 14 birds, he gave 8 birds to his friend, How many birds remained with him?

Solution Number of remaining =  $\dots - \dots = \dots$  birds.



4 From the Chart find as (a):

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

a) Shahenda has (8) and she bought another (8)

What is the total number of

**Solution** Number of =  $8 + 8 = 16$

b) Azza bought (9) books, she bought another (6) books.  
What is the total number of books?

**Solution** The total number of book =  $\quad + \quad = \quad$

c) Heba has (7), her teacher gave (9) to her.  
What is the number of ?

**Solution** number of =  $\quad + \quad = \quad$

d) A class has (17) girls, (9) girls of them are absent.  
What is the number of present girls?

**Solution** Number of girls =  $\quad - \quad = \quad$  girls

e) Ali and Ahmed has (9) pounds each.  
How many pounds with them?

**Solution** The total pounds =  $\quad + \quad = \quad$  pounds



General Exercise

1 Answer the following :

a)  $2 + 2 = \dots\dots$       b)  $5 + 5 = \dots\dots$       c)  $8 + 8 = \dots\dots$

d) 
$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$
      e) 
$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$
      f) 
$$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$$
      g) 
$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

2 Using the Chart to find :

a)  $25 + 10 = \dots\dots$

b)  $17 - 10 = \dots\dots$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

3 Complete using counting descending :

- a)  $6 + 6 = \dots\dots$       \* Start with  $\dots\dots$   
 b)  $7 + 5 = \dots\dots$       \* Count up  $\dots\dots$   
    \* We get  $\dots\dots$

- c)  $11 - 8 = \dots\dots$       \* Start by  $\dots\dots$   
 d)  $12 - 5 = \dots\dots$       \* Count up to  $\dots\dots$   
    \* We get  $\dots\dots$



a)  $3 + 1 = \dots + 1 = \dots$   
 b)  $7 + 9 = \dots + \dots + \dots = \dots + \dots = \dots$

5 Use the bonds of 10 to find :

a)  $8 + 7 = \dots$  Solution  $8 + \boxed{\phantom{00}} = 10 + \dots = \dots$

b)  $14 - 6 = \dots$  Solution  $14 - \boxed{\phantom{00}} = 10 - \dots = \dots$

6 A class has ( 17 ) pupils , ( 9 ) of them are girls.  
Find the number of boys ?

Solution Number of boys =  $\dots - \dots = \dots$  boys

7 My father bought some pens for L.E 19 ,  
he pay L.E 7. What is the remainder price ?



Solution The amount =  $\dots - \dots = \dots$  pounds

8 By asking the pupils about the favorite day in the week :  
Saturday 3 pupils , Sunday 7 pupils , Monday 5 pupils ,  
Tuesday 6 pupils

a) Complete by colouring the bars

b) The favourite day is .....

c) Number of pupils who prefer Saturday ..... Number of pupils who prefer Tuesday



Ex 1 Find the missing number :

a) Medhat has ( 8 ) , he get some , now he has (13).  
What is the number of that he got ?

Solution



$8 + \dots = 13$

$8 + 5 = 13$

Number of = 5

b) Mokhtar put ( 3 ) in a box , he found the number of  
become ( 11 ). How many was in the box ?

Solution



$3 + \dots = 11$

$3 + 8 = 11$

Number = 8

c)  $4 + \dots = 12$

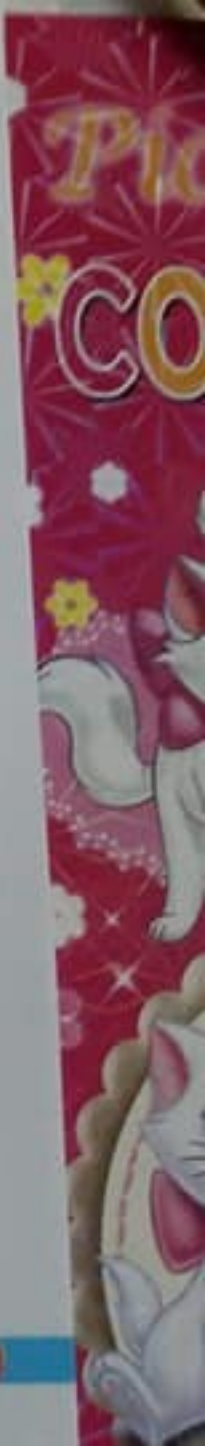
d)  $7 + \dots = 14$

e)  $8 + \dots = 15$

f)  $5 + \dots = 11$

g)  $9 + \dots = 13$

h)  $6 + \dots = 15$





7 +      = 10



9 +      = 10



6 +      = 10



**Solution** 5 + 5 = 10



**Ex** 5 +      = 10

**Activity 4** Using 10's frame to find the bonds of 10:

34 - 10 =     

35 - 10 =     

Start from 29 move one square down you get 19

**Solution** 29 - 10 =     

**Ex 2** Using the Chart, find:

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Start from 15 move one square down you get 5

5 + 10 =       
7 + 10 =       
1 + 10 =       
11 + 10 =     

**Solution** 28 + 10 = 38  
Start from 28 move one square to up get 38

**Ex 1** Using the Chart, find:

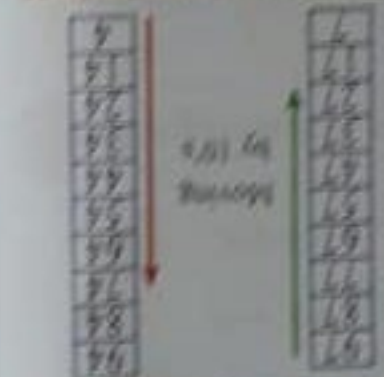
**Solution** 4 + 10 = 14

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Start from 4 move one square to up get 14

**Activity 2** Use the chart, find 4 + 10 =     

Decreasing by 10    Increasing by 10



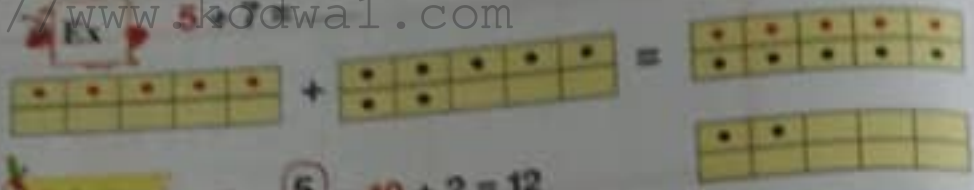
**Column** Move one up and down  
**Row** Move one left and right

31	32	33	34	35	36	37	38	39	40
----	----	----	----	----	----	----	----	----	----

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

The number is decreasing

The number is increasing



**Ex**  $5 + 7 = 10 + 2 = 12$

**a**  $7 + 7 = \dots$       **Solution**  $7 + \begin{matrix} 3 \\ 4 \end{matrix} = 10 + 4 = \dots$

**b**  $5 + 9 = \dots$       **Solution**  $5 + \begin{matrix} 5 \\ 4 \end{matrix} = 10 + \dots = \dots$

**c**  $6 + 5 = \dots$       **Solution**  $6 + \begin{matrix} \dots \\ \dots \end{matrix} = \dots + \dots = \dots$

**Ex 4** Using the bonds of 10 to find:

**Ex**  $15 - 7 = \dots$

**Solution**  $15 - \begin{matrix} 5 \\ 2 \end{matrix} = 10 - 2 = 8$

**a**  $14 - 6 = \dots$       **Solution**  $14 - \begin{matrix} 4 \\ 2 \end{matrix} = 10 - \dots = \dots$

**b**  $11 - 9 = \dots$       **Solution**  $11 - \begin{matrix} 1 \\ 8 \end{matrix} = 10 - 8 = \dots$

**c**  $15 - 8 = \dots$       **Solution**  $15 - \begin{matrix} \dots \\ \dots \end{matrix} = \dots - \dots = \dots$

**1** Using the chart find:

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

**a**  $2 + 10 = \dots$

**b**  $8 + 10 = \dots$

**c**  $71 + 10 = \dots$

**d**  $52 + 10 = \dots$

**2** Using the bonds of 10 to find:

**Ex**  $5 + 7 = \dots$       **Solution**  $5 + \begin{matrix} 5 \\ 2 \end{matrix} = 10 + 2 = 12$

**a**  $9 + 7 = \dots$       **Solution**  $9 + \begin{matrix} 1 \\ 6 \end{matrix} = 10 + \dots = \dots$

**b**  $5 + 6 = \dots$       **Solution**  $5 + \begin{matrix} 5 \\ \dots \end{matrix} = 10 + \dots = \dots$

**c**  $7 + 8 = \dots$       **Solution**  $7 + \begin{matrix} \dots \\ \dots \end{matrix} = \dots + \dots = \dots$

**d**  $4 + 9 = \dots$       **Solution**  $4 + \begin{matrix} \dots \\ \dots \end{matrix} = \dots + \dots = \dots$

**e**  $8 + 4 = \dots$       **Solution**  $8 + \begin{matrix} \dots \\ \dots \end{matrix} = \dots + \dots = \dots$



**3** Using the Chart, find :

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

- a)  $21 - 10 = \dots$
- b)  $45 - 10 = \dots$
- c)  $83 - 10 = \dots$
- d)  $15 - 10 = \dots$

**4** Using the bonds of 10 to find :

**Ex**  $17 - 8 = \dots$  **Solution**  $17 - \begin{matrix} 7 \\ 1 \end{matrix} = 10 - 1 = 9$

a)  $15 - 6 = \dots$  **Solution**  $15 - \begin{matrix} 5 \\ 1 \end{matrix} = 10 - \dots = \dots$

b)  $14 - 9 = \dots$  **Solution**  $14 - \begin{matrix} 4 \\ \dots \end{matrix} = 10 - \dots = \dots$

c)  $16 - 8 = \dots$  **Solution**  $16 - \begin{matrix} \dots \\ \dots \end{matrix} = \dots - \dots = \dots$

d)  $11 - 5 = \dots$  **Solution**  $11 - \begin{matrix} \dots \\ \dots \end{matrix} = \dots - \dots = \dots$

e)  $18 - 9 = \dots$  **Solution**  $18 - \begin{matrix} \dots \\ \dots \end{matrix} = \dots - \dots = \dots$




**Lesson 15 . 15** Solving problems on addition and subtraction

**Ex 1** Answer the following :




a) Asmaa has ( 6 ) flowers and she get another ( 7 ) flowers , How many flowers with Asmaa ?

**Solution** ( Using one of the following method )




- Adding to up method  $6 + 7 = 13$
- Adding by double  $6 + 7 = 6 + 6 + 1 = 12 + 1 = 13$
- Adding by bonds of 10  $6 + 7 = 6 + 4 + 3 = 10 + 3 = 13$

b) Mokhtar has 6  in a bottle and 8  in another bottle How many  which Mokhtar has ?

**Solution** Number of  =  $\dots + \dots = \dots$  

c) Rady saw 7  on the table and 3  under it , How many  are there ?

**Solution** Number of  =  $\dots + \dots = \dots$  

d) Maryam found 7  and 4  , How many  are there ?

**Solution** Number of  =  $\dots + \dots = \dots$  



1 From the shapes complete the picture graph

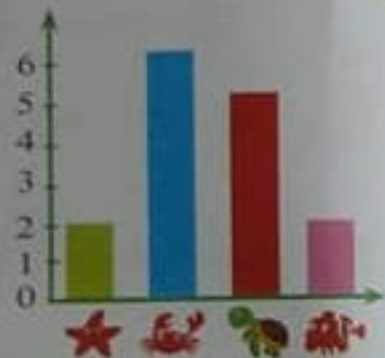


2 From the bar graph complete :

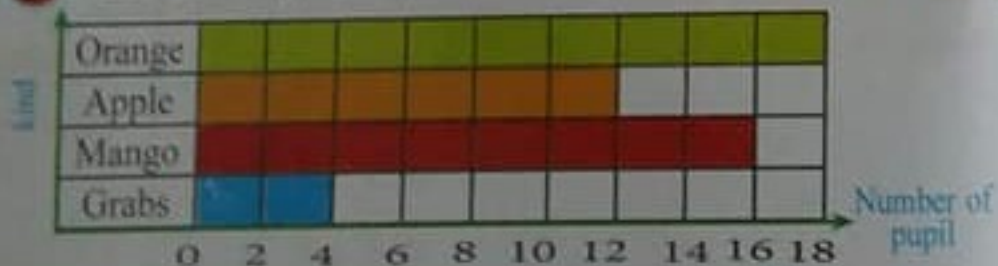
(a) The greatest number is \_\_\_\_\_

(b) The sum of and = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

(c) The difference between number of and = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_



3 From the shapes complete with the suitable sign (>, =, <):



(a) Number of pupils who prefer Grape (....) Number of pupils who prefer Mango

(b) Number of pupils who prefer apple (....) Number of pupils who prefer Orange

1 From the bar graph complete :

(a) The best fruit is \_\_\_\_\_

(b) The fruit that less prefer is \_\_\_\_\_

(c) Number of pupils whose prefer orange and strawberry = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_



2 Complete the table then choose :



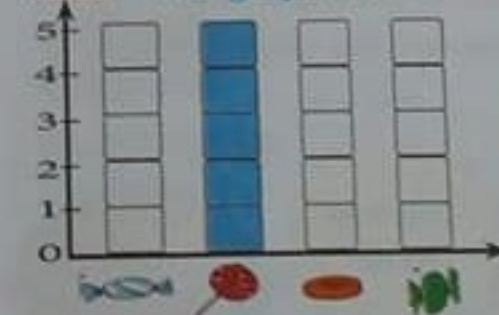
Shape	Number
	.....
	.....
	.....

(a) The number ( 3 , 4 , 5 )

(b) The number ( > , = , < ) The number

3 From the picture graph complete the bar graph

Number Bar graphical




The picture graph



Activity 2 Using the double to find the following :

Ex   $4 + 5 = \dots$

Solution   $4 + 5 = 4 + 4 + 1 = 8 + 1 = 9$

Ex 1 Using the double to find the following :

Ex  $3 + 5 = \dots + \dots + \dots = \dots + \dots = \dots$

Solution  $3 + 5 = 3 + 3 + 2 = 6 + 2 = 8$

a)  $8 + 9 = \dots + \dots + 1 = \dots + 1 = \dots$

b)  $5 + 6 = \dots + \dots + \dots = \dots + \dots = \dots$

c)  $7 + 8 = \dots + \dots + \dots = \dots + \dots = \dots$

Ex 2 A class has 10 boys and 10 girls, How many pupils in the class?

Solution  
Number of pupils =  $\dots + \dots = \dots$  pupils.

Ex 3 Ahmed bought 8 red pens and 9 green pens , What is the number of pens?

Solution  
Number of pens =  $8 + 9 = \dots + \dots + 1 = \dots$  Pens.

Activity 3 Find as in the example : (Counting from big to small)

Ex  $12 + 7 = \dots$

Solution  $12 + 7 = 19$

a)  $4 + 9 = \dots$       b)  $6 + 5 = \dots$       c)  $8 + 9 = \dots$

d)  $8 + 3 = \dots$       e)  $7 + 4 = \dots$       f)  $7 + 8 = \dots$

- \* Start by greater number 12
- \* Count 7 after 12
- \* The sum equal 19

Ex 4 My uncle is an engineer he choose 13 programs to do his work , then choose another 6 programs . How many programs did he use ?

Solution \* start by 13 then count 6 numbers.

Number of programs =  $\dots + \dots = \dots$



Activity 4 Find the result using counting from small to big

Ex  $12 - 7 = \dots$

Solution  $12 - 7 = 5$

a)  $15 - 8 = \dots$       b)  $11 - 6 = \dots$       c)  $13 - 4 = \dots$

d)  $10 - 8 = \dots$       e)  $18 - 9 = \dots$       f)  $14 - 5 = \dots$

- \* Start by smaller number 7
- \* Count up to 12
- \* The result will be 5

Ex 5 I have 11 apples and , I ate 3 of them , How many apples remained ?

\* Start from 3 count up to 11

Solution The remainder =  $\dots - \dots = \dots$  apples.

COLORING



Exercise on lesson 11, 12

1 Put line under the number and it self as the example :

Ex  $\begin{array}{c} 3 \\ \hline 3 \end{array}$     $\begin{array}{c} 4 \\ \hline 3 \end{array}$     $\begin{array}{c} 5 \\ \hline 6 \end{array}$

$\begin{array}{c} 7 \\ \hline 8 \end{array}$     $\begin{array}{c} 9 \\ \hline 9 \end{array}$     $\begin{array}{c} 6 \\ \hline 7 \end{array}$

$\begin{array}{c} 10 \\ \hline 10 \end{array}$     $\begin{array}{c} 2 \\ \hline 1 \end{array}$     $\begin{array}{c} 0 \\ \hline 0 \end{array}$

$\begin{array}{c} 4 \\ \hline 5 \end{array}$     $\begin{array}{c} 5 \\ \hline 5 \end{array}$     $\begin{array}{c} 3 \\ \hline 2 \end{array}$

2 Answer the following :

a  $8 + 8 = \dots$    b  $7 + 7 = \dots$    c  $3 + 3 = \dots$

d  $0 + 0 = \dots$    e  $9 + 9 = \dots$    f  $6 + 6 = \dots$

g  $\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$    h  $\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$    i  $\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$    j  $\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$

3 My brother has 7 pens and my sister has the same number of pens , How many pens do they have ?

Solution Number of pens = ..... + ..... = ..... pens.

4 Using double to find the sum as in table

a  $2 + 3 = \dots + \dots + 1 = \dots + 1 = \dots$

Solution  $2 + 3 = 2 + 2 + 1 = 4 + 1 = 5$

b  $4 + 5 = \dots + \dots + 1 = \dots + 1 = \dots$

c  $6 + 8 = \dots + \dots + 2 = \dots + 2 = \dots$

d  $7 + 9 = \dots + \dots + \dots = \dots + \dots = \dots$

5 Find the result of the following :

$\begin{array}{r} 8 \\ + 9 \\ \hline \end{array}$     $\begin{array}{r} 11 \\ + 9 \\ \hline \end{array}$     $\begin{array}{r} 13 \\ + 6 \\ \hline \end{array}$     $\begin{array}{r} 14 \\ + 7 \\ \hline \end{array}$     $\begin{array}{r} 13 \\ + 5 \\ \hline \end{array}$

$\begin{array}{r} 9 \\ - 9 \\ \hline \end{array}$     $\begin{array}{r} 13 \\ - 4 \\ \hline \end{array}$     $\begin{array}{r} 10 \\ - 9 \\ \hline \end{array}$     $\begin{array}{r} 12 \\ - 7 \\ \hline \end{array}$     $\begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$

6 When I pass the road my sister hold my hand , How many fingers in our hands ?

Solution Number of fingers =  $5 + 5 = \dots$  fingers



7 A family has 2 boys and 2 girls. How many children in the family?

Solution Number of children = ..... + ..... = ..... Children



Exercise on lesson 7.5

1 In a class the teacher asked the pupils about the favourite days in the week  
 6 pupils choose Thursday, 18 choose Friday, 7 choose Saturday, 8 choose Sunday

Number of students



- 1 Complete the following bar graph.
- 2 The favourite day is \_\_\_\_\_
- 3 Number of pupils who prefer Friday is \_\_\_\_\_
- 4 Number of pupils who prefer Thursday is \_\_\_\_\_

2 Notice and complete the table and the graph :



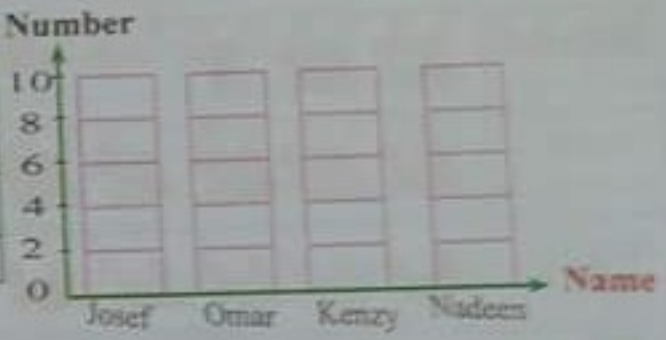
The animal	The number
Cat	_____
Dog	_____
Rabbit	_____



No. of dogs \_\_\_\_\_ No. of cats

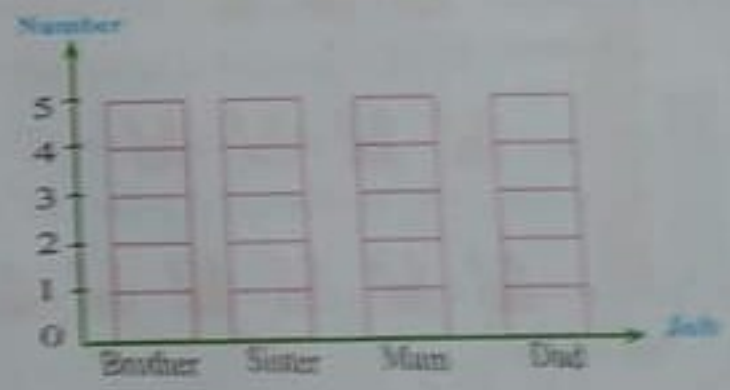


Name	Number
Josef	_____
Omar	_____
Kenzy	_____
Nadeen	_____



4 From the table complete the bar graph :

Job	Brother	Sister	Mum	Dad
Number	4	2	2	5





Activity 1

Look at the table and study the number of crab :

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	



= 1 Crab , = 2 Crab

The preceding figure is picture graph .

a) Number of crab in Wednesday = + = 5  
The solution : The number : 2 + 2 + 1 = 5

b) Number of crab in Tuesday = = 8  
The solution : The number : 2 + 2 + 2 + 2 = .....

c) Number of crab in Friday = + = 11

Activity 2

Frame the picture graph draw the bar graph

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

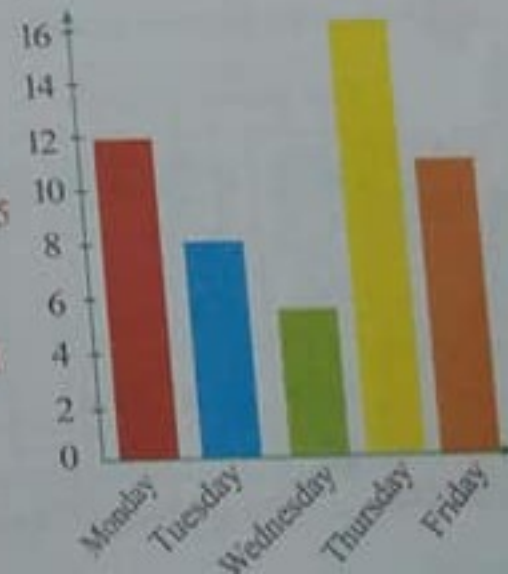
The way to draw the bar graph :

Find the number of crab in each day then represent it by a bar :



= 1 Crab , = 2 Crab

- The number in Monday = 12
- The number in Tuesday = 8
- The number in Wednesday = 4 + 1 = 5
- The number in Thursday = 16
- The number in Friday = 10 + 1 = 11



Exercise on lesson 9, 10

1 From the following photos complete the picture graph :



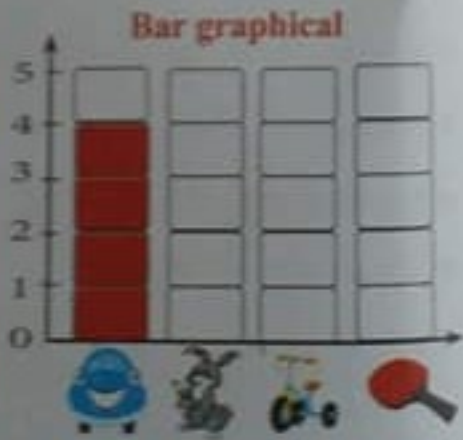
Butterfly							
Tomatoes							
Hen							

- a) Number of = \_\_\_\_\_ ( 6 , 5 , 4 )
- b) Number of = \_\_\_\_\_ ( 6 , 7 , 8 )
- c) Number of    number of ( > , = , < )

2 From the picture graph complete the bar graph :

The picture graph

Cars				
Rabbit				
Bicycle				
paddle				



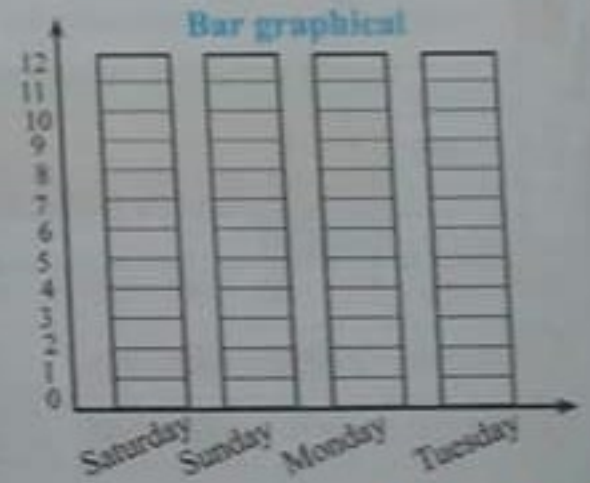
3 From the picture graph notice and complete:

Saturday							
Sunday							
Monday							
Tuesday							

Notice = 1 Flower, = 2 Flower

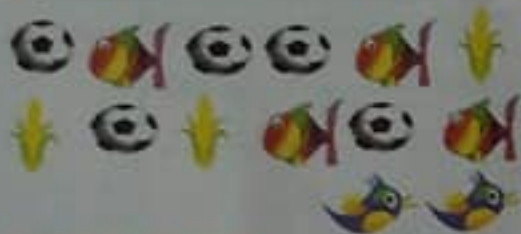
- a) Number of flowers at Saturday = + + + = 2 + \_\_\_\_\_ + \_\_\_\_\_ + 1 = \_\_\_\_\_
- b) Number of flowers at Sunday = + + + = 2 + \_\_\_\_\_ + \_\_\_\_\_ + 2 = \_\_\_\_\_

\* From the picture graph draw the bar graph :



Exercise on lesson 3, 4

1 Notice then answer :



Shape	Number
	.....
	.....
	.....
	.....

• Complete the table .

• Choose the suitable answer :

a) Number of = ..... ( 3 , 4 , 5 )

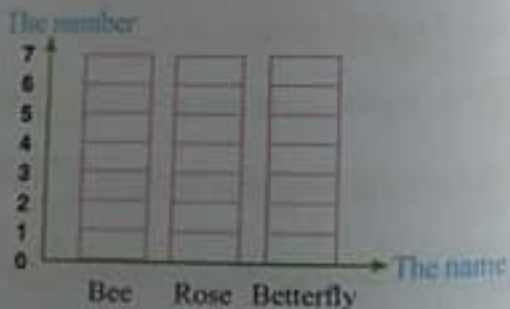
b) Number of  Number of ( > , = , < )

c) The number of all shapes = ..... shapes . ( 12 , 13 , 14 )

2 Notice then complete the table and the graph :

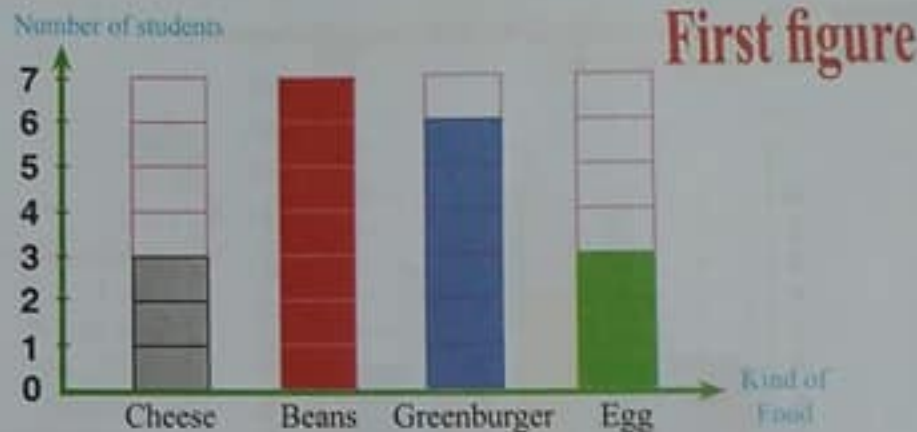


The name	The number
Bee	.....
Rose	.....
Butterfly	.....



3 The first graph show kind of prefer food for 2<sup>nd</sup> class pupils represented the first graph in a second graph then answer :

From discover book



From the previous graph choose the suitable mark (> , = , < ) :

a) No. Pupils who prefer egg  No. Pupils who prefer cheese

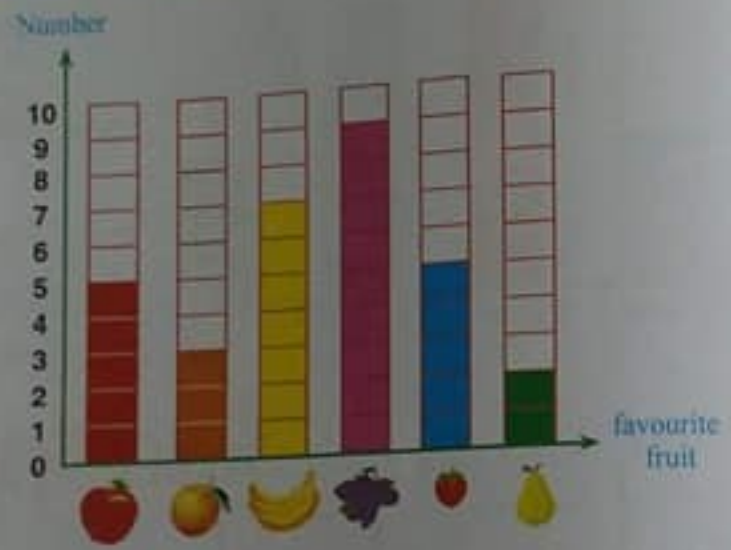
b) No. Pupils who prefer cheese  No. Pupils who prefer greenburger

c) No. Pupils who prefer beans  No. Pupils who prefer egg



**Activity 1**

Look at the favorite fruit graph then answer the questions :



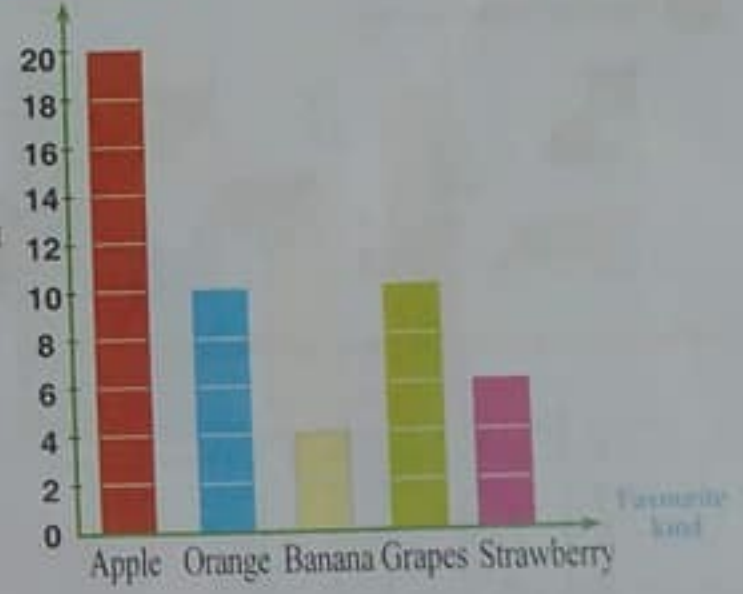
From the previous graph. Answer the following :

- a) Number of people who prefer = .....
- b) Choose the suitable sign (>, =, <):  
 Number of people who prefer  Number of people who prefer
- c) What is the difference between No. people who prefer and No. Who prefer ?  
 Number of People = ..... - ..... = .....
- d) How many people who prefer and who prefer ?  
 Number of People = ..... + ..... = .....

**Activity 2**

By asking some pupils about favourite fruits and represent the following graph by painting:

Number of students



**Notice**

**Side measure**  
 0, 2, 4, 6,  
 8, 10, 12,  
 14, 16,  
 18, 20

From the previous graph. Answer the following :

- a) Number of pupils who prefer apple ?  
 Number of Pupils = .....
- b) What is the least preferred fruit and how many pupils prefer it ?  
 Name of fruit = ....., No. Pupils who prefer it = .....
- c) How many pupils who prefer orange and who prefer strawberry ?  
 Number of Pupils = ..... + ..... = .....
- d) What is the difference between No. Pupils who prefer grapes and Number. Pupils who prefer banana ?  
 Number of People = ..... - ..... = .....



Lesson 7.8

Applies on representing by bar graph

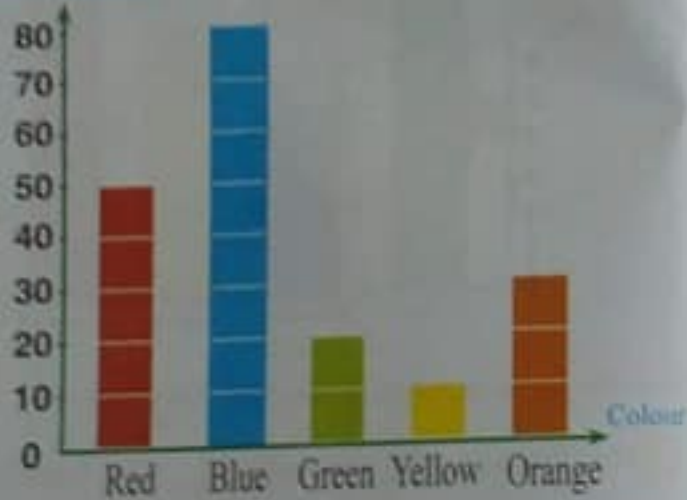
Activity 1

When ask 200 student about their favourite colour and represent it by the following graph :

Number of students

**Notice**

Side measure  
0, 10, 20,  
30, 40, 50,  
60, 70, 80



From the previous graph. Answer the following :

- The best colour for students is \_\_\_\_\_
- The lest preferring colour is \_\_\_\_\_, Number Pupils who prefer it \_\_\_\_\_
- How many pupils who prefer **yellow** and pupils who prefer **green** ?

Number of Pupils = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

- What is difference between Number of pupils who prefer **red** and Number of pupils who prefer **orange** ?

Number of Pupils = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

Activity 2

As rolling two dice and observing the two number on the upper face, the result was as following.



The sum = 6



The sum = 6

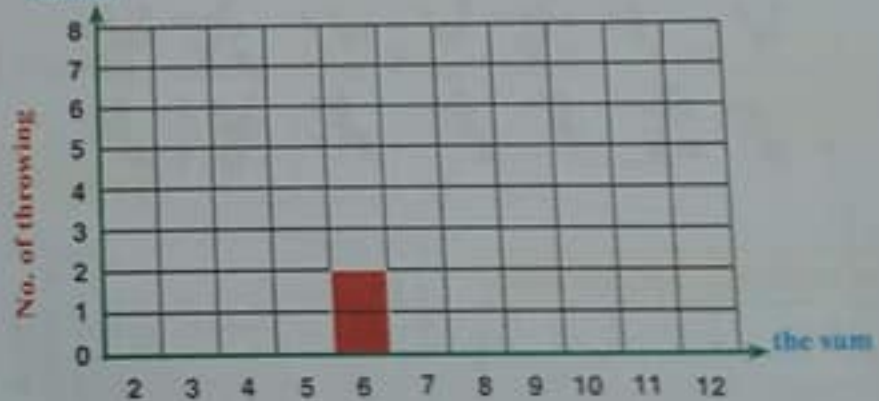


The sum =

Represent the frequency in the table and complete the graph :

Total	2	3	4	5	6	7	8	9	10	11	12
No. of throwing	—	—	—	—	2	—	—	—	—	—	—

number



The lowest total (sum of two smallest number) = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

The highest total (sum of two biggest number) = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_



1 Write the number just after :

1 after       5 after       7 after

2 Find the result :

70 - 10 ____	90 - 10 ____	55 + 22 ____	19 - 8 ____	23 + 13 ____	68 - 41 ____
--------------------	--------------------	--------------------	-------------------	--------------------	--------------------

3 Write the value of the following :

 Pound

 pounds

4 Write the time :

5 Answer the following :

Amr bought 9 stories and gave 3 stories to Kenzy .  
What is the number of remained stories ?

Solution The number =  $9 - 3 = 6$  stories

1 Circle the red shapes :



2 Write the missing number :

(a)  $19 - \quad = 4$       (b)  $9 + \quad = 15$   
(c)  $\quad + 30 = 80$       (d)  $70 - 40 = \quad$



3 Complete in the same pattern :

(a) 98, 88, 78, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
(b) 10, 20, \_\_\_\_\_, 40, \_\_\_\_\_, \_\_\_\_\_

4 Find the result of the following :

90 - 60 ____	50 + 30 ____	80 + 10 ____	76 - 15 ____	50 - 30 ____	44 + 33 ____
--------------------	--------------------	--------------------	--------------------	--------------------	--------------------

5 Write the name of the following :

 ( \_\_\_\_\_ )       ( \_\_\_\_\_ )

### Daily instructions for parents

Daily activity calendar

Student repeats the name of the month ( *September* ) and the days of the week ( *Wednesday* ) and writing the day date(11)

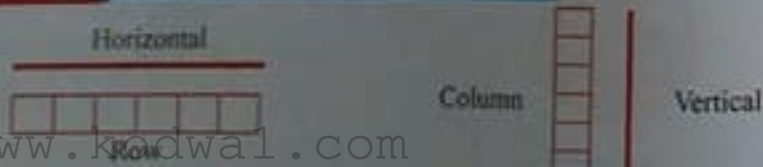
Day : Wednesday Date : 11  
Month : September  
Year : 2019

September 2019						
Sat	Sun	Mon	Tue	Wed	Thu	Fri
	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				

#### Activites 1 Identify the 120's frame

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
①	2	3	4	5	6	7	8	9	10

#### Activites 2 Identify ( horizontal - vertical )



## Unit 1

# Graphical representation



### General aims : student should be able to :

- Participate in maths calendar activities .
- Collect and interpret data .
- Create a bar graph like :
  - \* Class birthday
  - \* Favourite day of the week.
  - \* About siblings .
- Interpret data in a bar graph.
- Use icons ( $>$  ,  $=$  ,  $<$ ) to express comparisons .
- Solve assembly and disassembly problems around bar graph data .
- Collect data about the numbers on the sides of the dice in six side .
- Create a bar graph using data from a diagram .

Exercises inspired by

Discover Book

Bakkar exercises on the unit

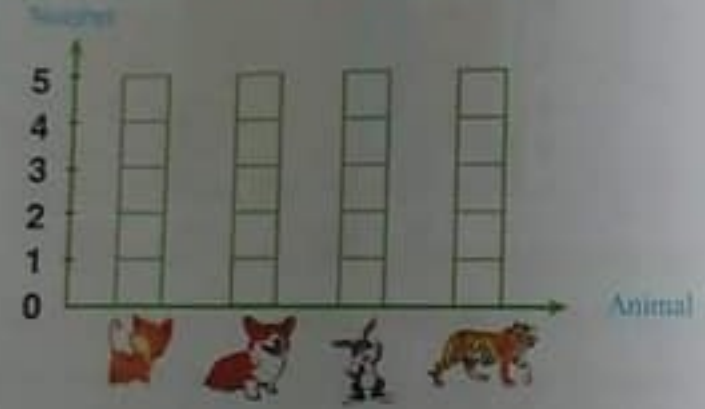


Exercise on lesson 5, 6

1 Notice then answer :



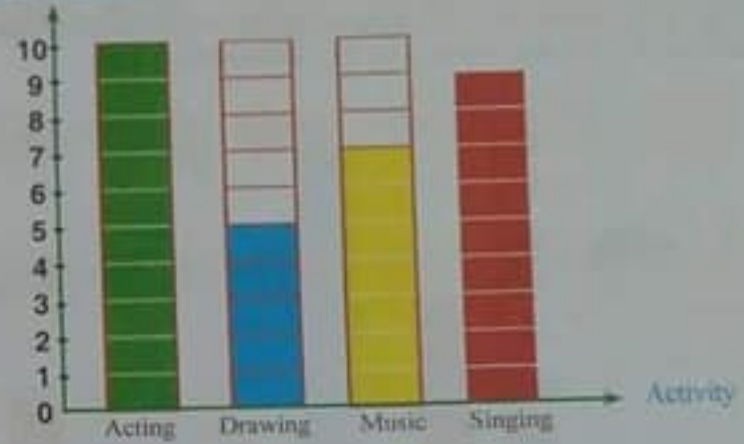
Represent the picture by bar graph then complete :



- a) Number of picture of animals that more repeated = .....
- b) How many repeating photos of dogs and cats ?  
Number of Photos = ..... + ..... = .....
- c) What is difference between frequency of rabbits's photo and frequency of tigers's photo ?  
Number of Photos = ..... - ..... = .....
- d) Number of Photos of dogs  Number of Photos of rabbits.

2 The teacher count the number of pupils who preferring activities , and representing the data in the following graph :

Number of students



From the previous graph. Answer the following :

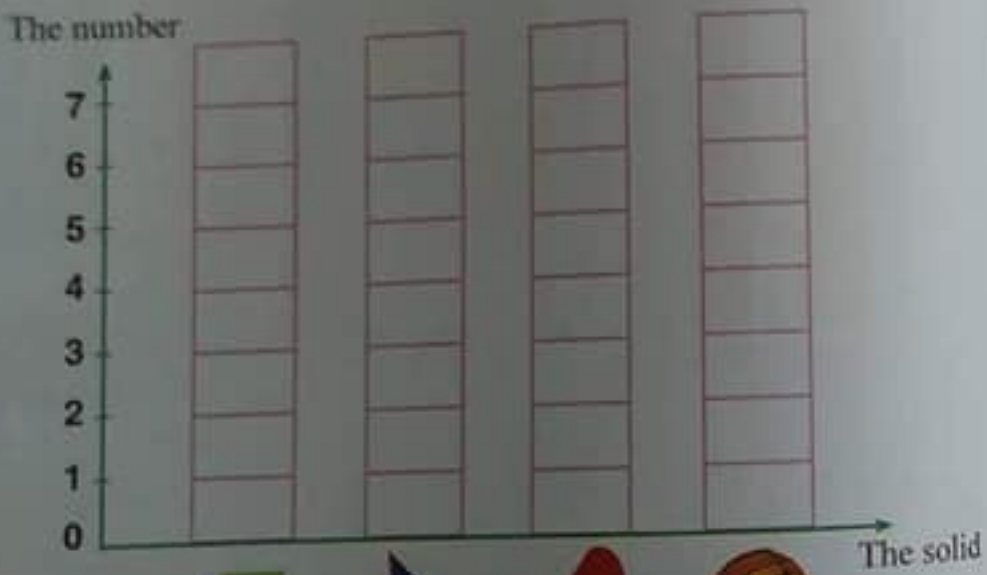
- a) No. Pupils who prefer the singing  No. Pupils who prefer the acting
- b) How many pupils who prefer singing and who prefer drawing?  
Number of Pupils = ..... + ..... = .....
- c) What is difference between No. Pupils who prefer acting and Number of pupils who prefer music ?  
The difference = ..... + ..... = .....
- d) How many pupils who prefer drawing and who prefer music?  
Number of Pupils = ..... + ..... = .....





**Exercise on lesson 1, 2**

1 A student enter to the class and find the next solids on the table without arrangement, represent the number of solid by colouring the graph

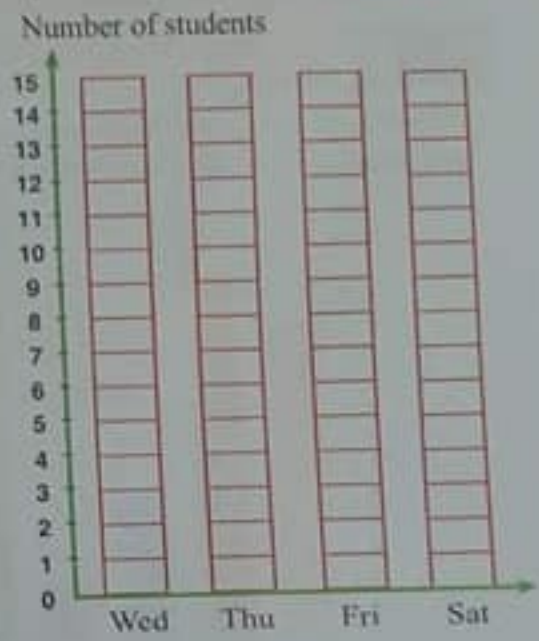


a Number of = .....

b Number of blue solids = .....

2 The following table show number of pupils who attending a theatre activity at school on 4 days, represent this data by colouring the graph then complete :

The day	Number of pupils
Wed	14
Thu	12
Fri	10
Sat	9



- a The day which the most students attend on it .....
- b Number of students who attend on Saturday .....

c Choose the suitable mark ( $>$ ,  $=$ ,  $<$ ):

Number of pupils who prefer Thursday  Number of pupils who prefer Friday

3 The teacher ask what do you do on 4 o'clock in the evening and represent this data by the bar graph : complete the table .

From discover book



Activity	No. pupils
Fun	3
Sleeping	.....
Studing	.....
Food	.....



Lesson

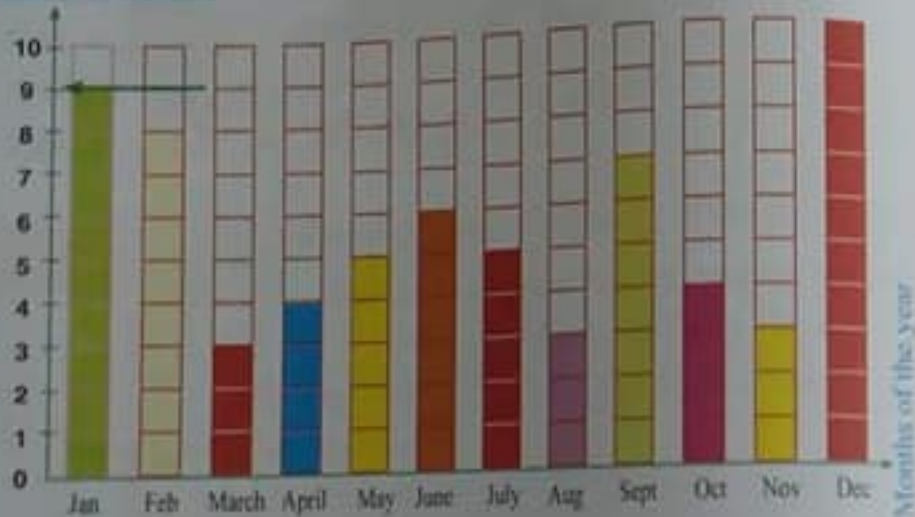
1.2

Collecting data and representing it by bar graph

Activity 1

By asking some pupils about their birthdays and write the number of each month then represent it by bar graph.

Number of students



From the graph. The number of student whose birthdays in January = 9

Finding way: Select ( January ) on the horizontal and count the coloured squares or reading the number at the side of colour square.

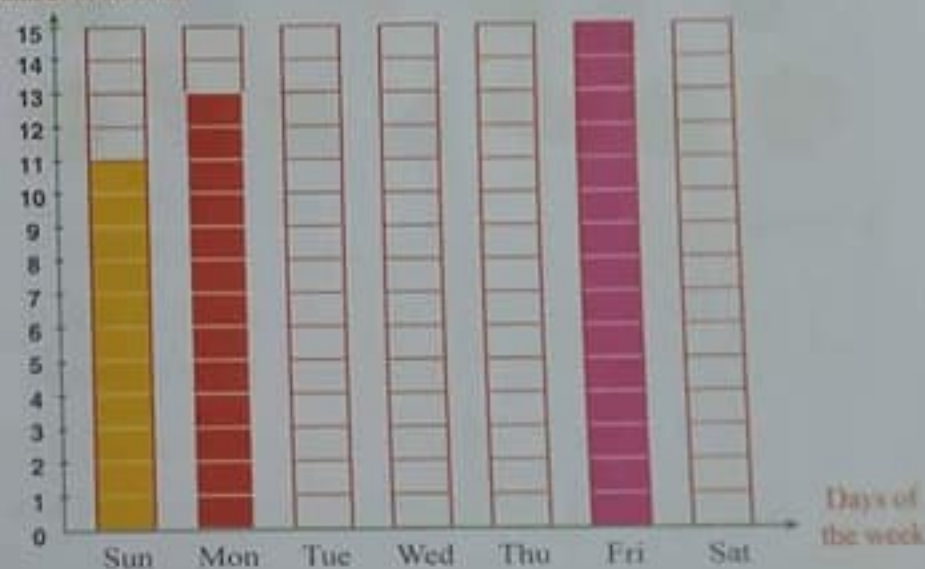
- a) Number of student whose birthday in February = 8
- b) Number of student whose birthday in march = \_\_\_\_\_
- c) Number of student whose birthday in April = \_\_\_\_\_
- d) The month which has the biggest number of births = \_\_\_\_\_
- e) The month which has the smallest number of births = \_\_\_\_\_
- f) Number of students who have birthdays that like your birthday = \_\_\_\_\_

Activity 2

By asking some pupils about the favourite days of the week and representing it by bar graph.

Sunday 11 pupil , Monday 13 pupil , Tuesday 5 pupil , Wednesday 2 pupil  
Thursday 14 pupil , Friday 15 pupil , Saturday 13 pupil.

Number of students



Colour the bar graph then complete:

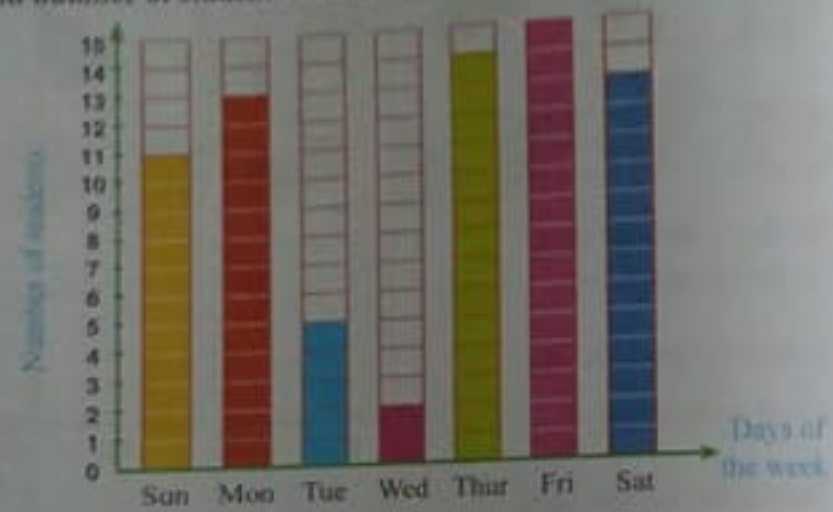
- a) The favourite day for students in the class is = \_\_\_\_\_
- b) Number of students who prefer Monday = \_\_\_\_\_
- c) Choose the suitable mark ( > , = , < ):

Number of pupils who prefer Saturday  Number of pupils who prefer Sunday

**3.4** Applies on representing it by bar graph

**Activity 1** The following graph show the favourite day for the pupils :

When replace rows and columns by put the days of the week vertically and number of students horizontally :



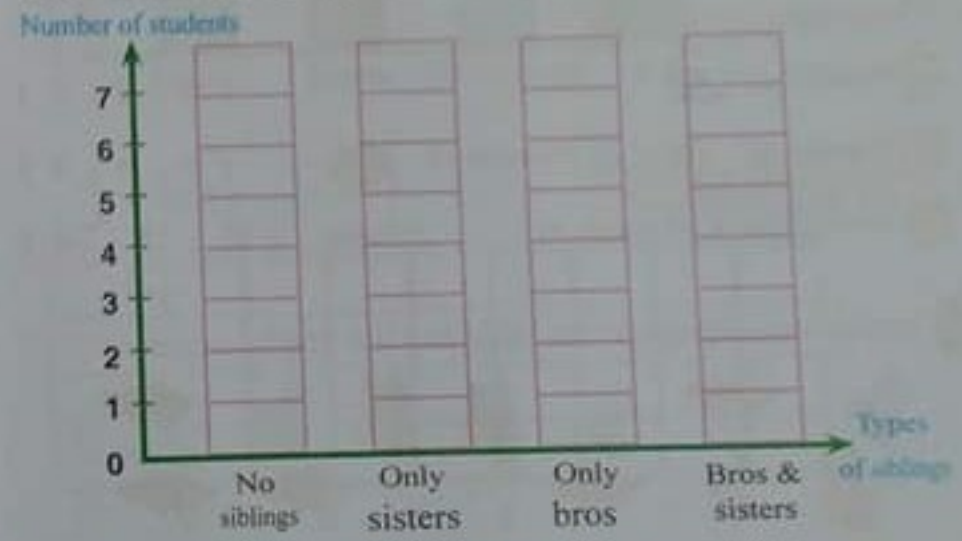
From the two previous graph, We notice the data don't change

- (a) The prefer day in first shape = \_\_\_\_\_
- (b) The prefer day in second shape == \_\_\_\_\_
- (c) Choose the suitable mark (>, =, <) :  
 Number of pupils who prefer Tuesday  Number of pupils who prefer Wednesday

**Activity 2** By asking pupils about their siblings and writing it a The table :

No. Siblings	Number of students
No siblings	3
Only sisters	5
Only brothers	3
Bros and sisters	7

Represent this data by colour the next graph :



From the graph choose the suitable mark (>, =, <) :

- (a) No. Pupils who haven't brothers  No. Pupils who have only brothers
- (b) No. Pupils who have only sisters  No. Pupils who have only brothers
- (c) No. Pupils who have only brothers  No. Pupils who have bros & sisters



1 Complete using (<, > or =):

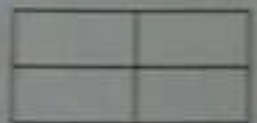
(a) 9  10

(b) 11  11

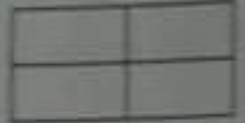
(c) 27  19

(d) 17  20

2 Colour according to the fraction:



Two quarters

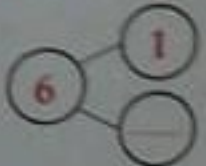


Quarter



3 quarters

3 From the bonds of 6 complete:



4 Complete the table:

Yesterday	Saturday	_____
Today	_____	Tuesday
Tomorrow	_____	_____

5 Answer the following:

81  
- 41  
\_\_\_\_\_  
\_\_\_\_\_

54  
+ 15  
\_\_\_\_\_  
\_\_\_\_\_

77  
+ 11  
\_\_\_\_\_  
\_\_\_\_\_

79  
- 20  
\_\_\_\_\_  
\_\_\_\_\_

45  
+ 33  
\_\_\_\_\_  
\_\_\_\_\_

58  
- 21  
\_\_\_\_\_  
\_\_\_\_\_

1 Write the fraction according to the coloured part:



2 Answer the following:

78  
- 70  
\_\_\_\_\_  
\_\_\_\_\_

33  
+ 33  
\_\_\_\_\_  
\_\_\_\_\_

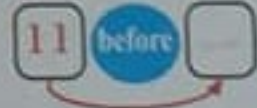
84  
- 40  
\_\_\_\_\_  
\_\_\_\_\_

40  
+ 10  
\_\_\_\_\_  
\_\_\_\_\_

77  
- 20  
\_\_\_\_\_  
\_\_\_\_\_

60  
+ 10  
\_\_\_\_\_  
\_\_\_\_\_

3 Write the number just before:



4 Complete:

7 - 7 = .....

2 + 3 = .....

10 - 4 = .....

5 + 5 = .....

10 + 4 = .....

12 - 2 = .....

5 Complete in the same pattern:

(a) 10, 11, 12, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

(b) 20, 19, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 15, \_\_\_\_\_

(c) 10, 20, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 70



# Days of the week

One Week  
7 days



Saturday	Yesterday
Sunday	Today
Monday	Tomorrow

# Months of the year

One Year  
12 months

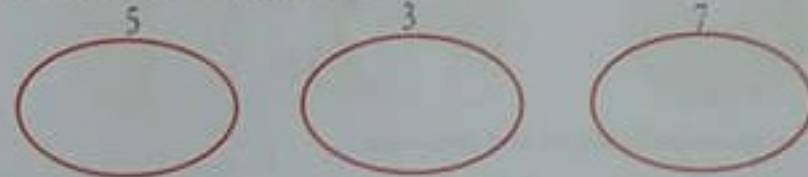
Yesterday	August
Today	July
Tomorrow	June



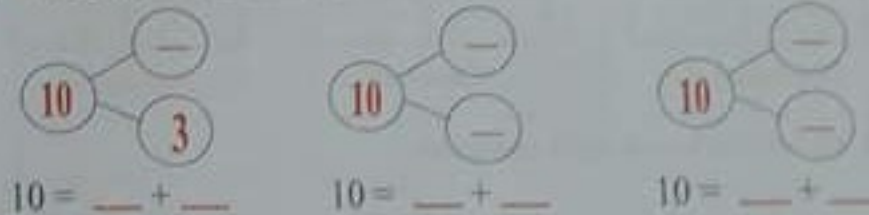
## General revision

### Bakkar revision 1

1 Draw  $\Delta$  according to the number :



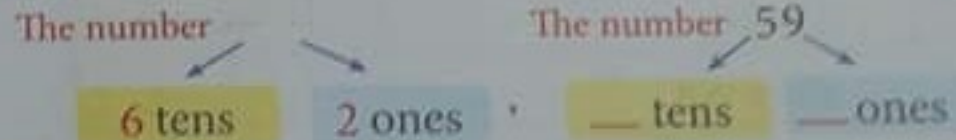
2 Using the bonds of 10 to complete :



3 Complete the missing numbers on the number line :



4 Complete :



5 Complete :

Hamza has 3 balloons ,Asmaa has 4 balloons .  
How many balloons do they have ?

Number of balloons = \_\_\_ + \_\_\_ = \_\_\_

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