



Republic of the Philippines
Department of Education
 Regional Office IX, Zamboanga Peninsula



- JANUARY**
Matuguhon
- FEBRUARY**
Mahiguagman
- MARCH**
Matinabungan
- APRIL**
Matinahuron
- MAY**
Makapsay og Malimpyo
- JUNE**
*Maablik og Masunod sa
Dhasakong Oras*
- JULY**
Maantigo og Maabilidad
- AUGUST**
*Maginhuhuhunon
para sa Uban*
- SEPTEMBER**
Madaginoton
- OCTOBER**
Matinud-anon
- NOVEMBER**
Masaligan
- DECEMBER**
Maalampon

1



Zest for Progress
 Zeal of Partnership

Mathematics

Quarter 3- Module 8: CONSTRUCTING EQUIVALENT NUMBER AND CREATING PATTERNS



Name of Learner: _____

Grade & Section: _____

Name of School: _____

Module 8

Constructing Equivalent Number Expression using Addition and Subtraction. Creating Patterns to Compose and Decompose using addition.



What I Need to Know

In this module, you will be able to learn on how to construct equivalent number expression using Addition and Subtraction. That in addition, you will add two addends to get the sum and you will subtract an addends from the sum, the result will become the difference.

And you will be able to learn on how to create pattern to Compose and decompose using addition by decreasing the first addend by 1 and increase the second addend by 1.

Lesson 8:

- *Constructing Equivalent Number Expression using Addition and Subtraction.
- *Creating Patterns to Compose and Decompose using addition.

After this module, you will be able to:

1. Constructs equivalent number expression using Addition and Subtraction. (M1AL-IIIh-8)
2. Identifies and creates patterns to compose and decompose using addition. (M1AL-IIIi-9)



What I know

A. Directions: Fill the blanks with the correct answer.

$$1.) 18 - 7 = \underline{\quad}$$
$$7 + \underline{\quad} = 18$$

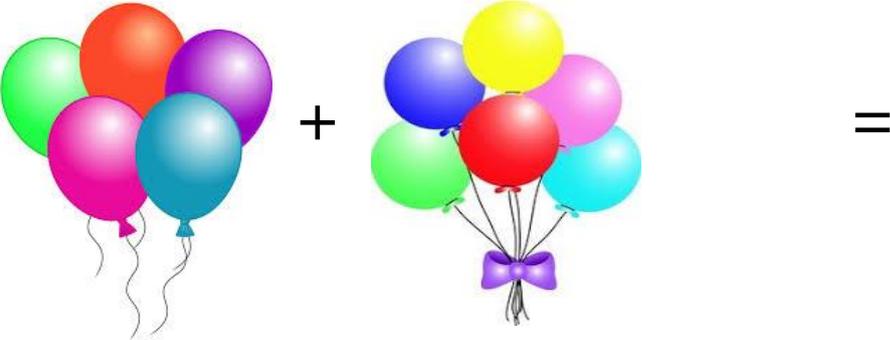
$$2.) 10 - 8 = \underline{\quad}$$
$$8 + \underline{\quad} = 10$$

$$3.) 18 - 5 = \underline{\quad}$$
$$5 + \underline{\quad} = 18$$



What's In

Directions: Write the equivalent number expression in Column B.

Column A	Column B
1.) 	
2.) 	
3.) 	



What's New

Read the problem.

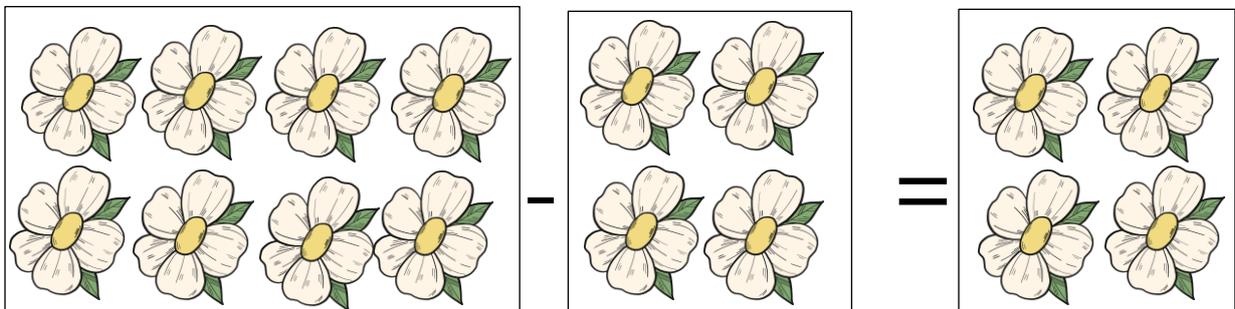


Tina has 8 growing flowers in her garden.
She puts fertilizer on the 4 growing flowers.

How many more growing flowers need fertilizer?

- A. Who has growing flowers? (Tina has growing flowers.)
- B. How many growing flowers does Tina have?
(Tina has 8 growing flowers.)
- C. What does she want to do with her growing flowers?
(She wants to put fertilizer on the remaining growing flowers.)
- D. How many more growing flowers need fertilizer? (4)
If you were Tina, how you determine the number of growing flowers?

So, now use the manipulative or counters in solving the problem.

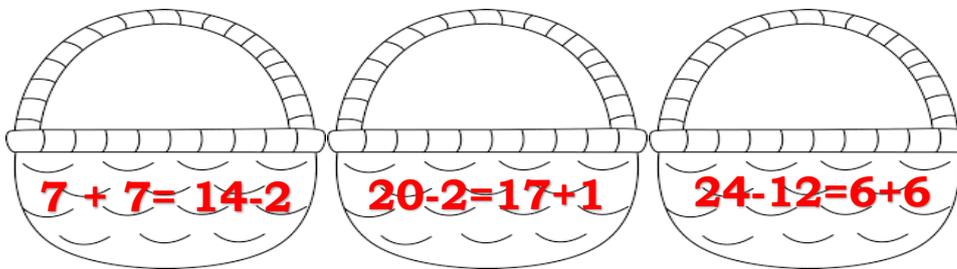
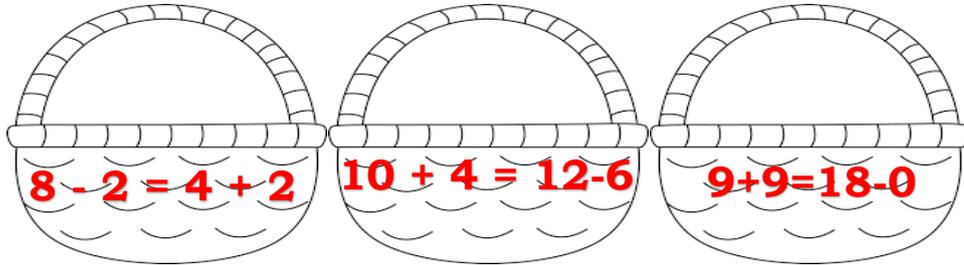


- a.) How many flowers in first box? (There are 8 flowers in the first box.)
- b.) If you will get the 4 flowers, how many flowers were left?
(There are 4 flowers were left.) ($8 - 4 = 4$)



What is it

Directions: Color the basket that have the same number equivalent.



What I Have Learned

* So, in constructing equivalent number expression using addition and subtraction you are going to add two addends to get the sum. Subtract an addend from the sum, the result is the difference.

Say: $6 + 9 = 15$

And $15 - 9 = 6$

*We can create pattern to compose and decompose using addition by decreasing the first addend by 1 and increase the second addend by 1.

Example: 7 ($6+1, 7+0, 5+2, 4+3, 3+4, 2+5, 1+6, 0+7$)

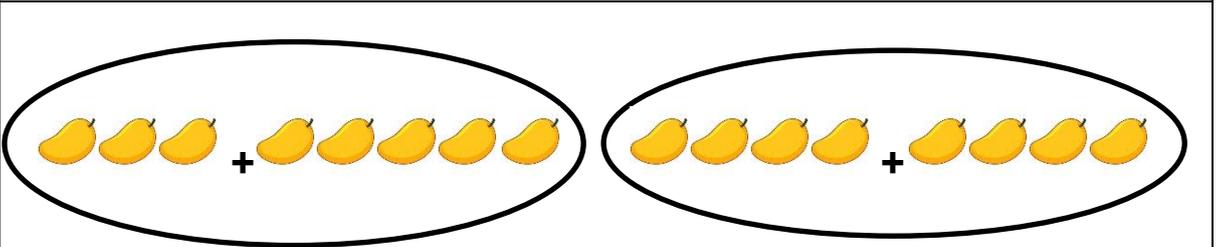


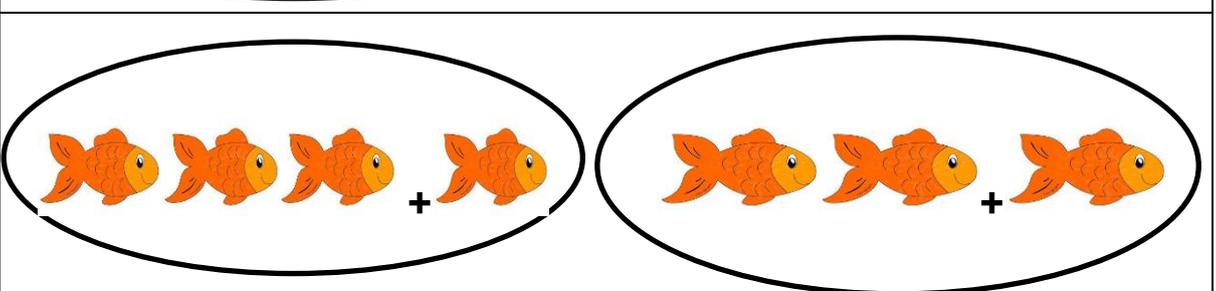
What I Can Do

Directions: Choose the group of pictures that show addition combinations. And write the letter only.

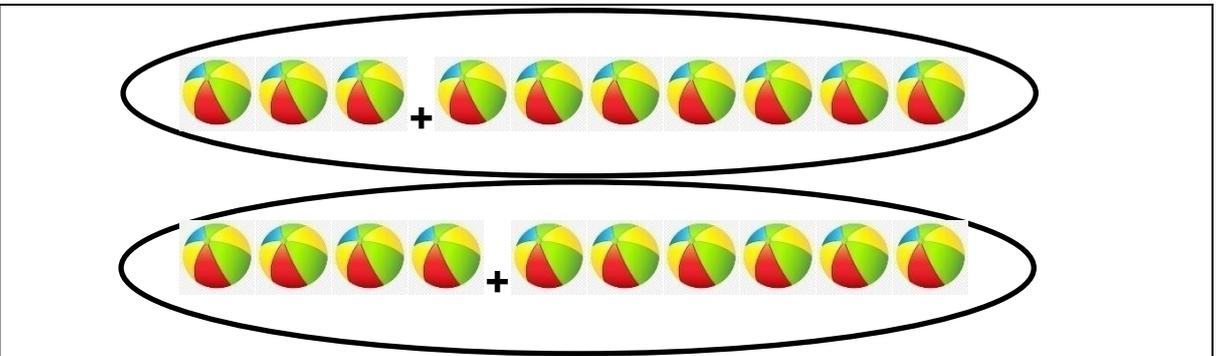
1.) Sum of 8

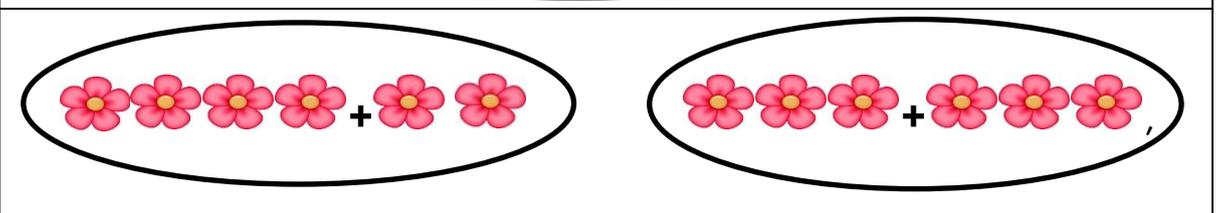
A) 

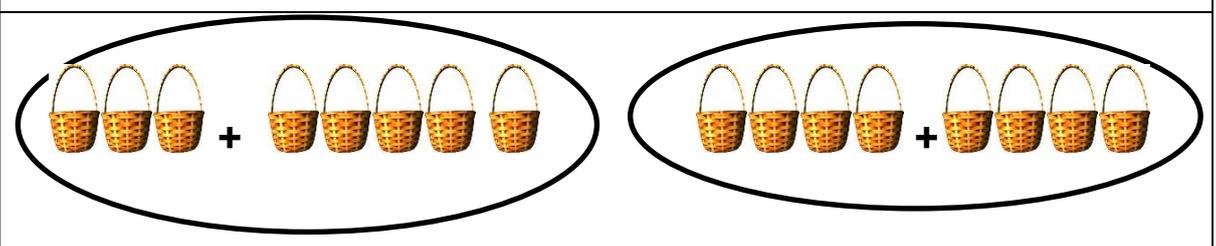
B) 

C) 

2.) Sum of 10

A) 

B) 

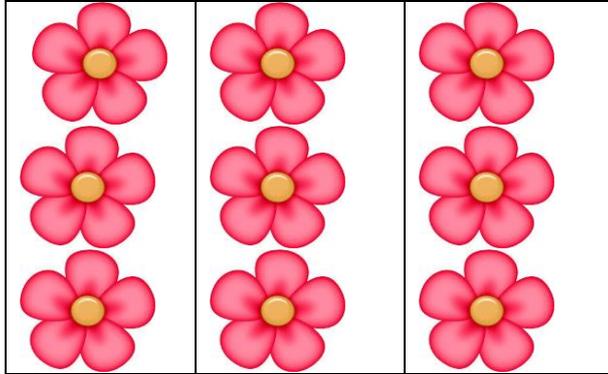
C) 



Assessment

Directions: Encircle the letter of the correct answer.

1.



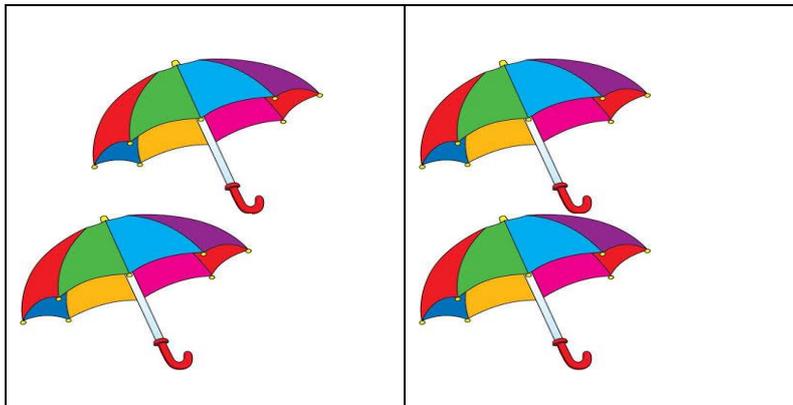
What is the equivalent expression of the picture above?

A.) 3 groups of 4

C.) 3 groups of 3

B.) 4 groups of 4

2.



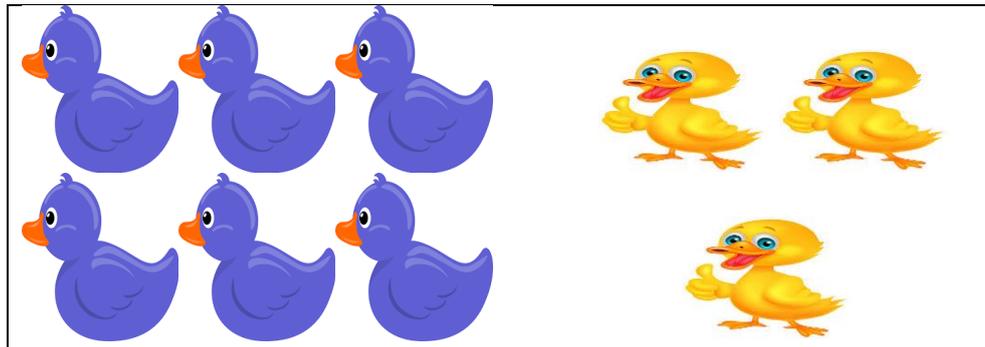
What is the equivalent expression of the picture above?

A.) 4 grouped by 2

C.) 4 grouped by 4

B.) 2 grouped by 2

3. What is the addition and subtraction sentence base on the picture shown below?



A.) $6 + n = 9$
 $n - 3 = 6$

B.) $2 + n = 5$
 $n - 5 = 2$

C.) $7 + n = 10$
 $n - 10 = 7$

References

Mathematics
 1, Kagamitan ng Mag-aaral Sinugbuanong Binisaya
 p.221-225
 Lesson Guides in Mathematics Grade 1, Kagawaran ng Edukasyon-Republika ng Pilipinas, p.158-161
 Links:
<https://creazilla.com/nodes/75104-beach-ball-clipart>
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Development Team

Writer: **Conrada Sios-e Paculba**
 Payao CES, Payao District

Editors/QA: **Crislyn M. Makasiar**
Romar P. Navarro
Jennifer F. Gadian
Lea M. Indayo

Reviewer: **Gina I. Lihao**
 EPS-Mathematics

Illustrator:
 Layout Artist:

Management Team:

Evelyn F. Importante
 OIC- CID Chief EPS

Dr. Aurelio A. Santisas, CESE
 OIC- Assistant SDS

Dr. Jenealyn A. Aleman, CESO VI
 OIC- Schools Division Superintendent