

Mathematics

Microlearning Module

QUARTER 1 – Module 12

*Illustrating by Applying the Properties of
Addition Using Sums Up to 20*



Mathematics 1

Microlearning Module (MLM)

Quarter 1 – Module 12: Illustrating by Applying the Properties of Addition Using Sums Up to 20

First Edition, 2024

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MICROLEARNING MODULE

Pangalan: _____ Baitang at Pangkat: _____ Iskor: _____

Asignatura: _____ Kuwarter: _____ MLM Bilang. _____

Guro: _____

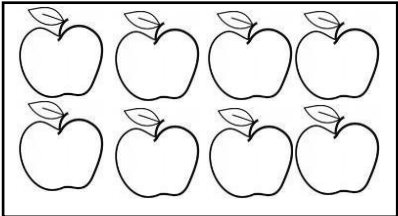
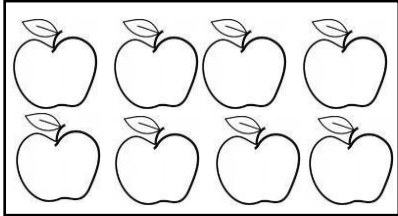
Kasanayang Pagkatuto: Illustrate by applying the following properties of addition, using sums up to 20;

a. the sum of zero and any number is equal to the number, and

b. changing the order of addends does not change the sum

A. Ating Balikan!

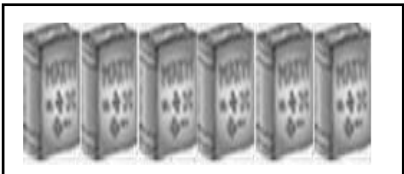
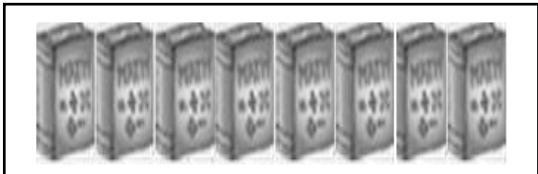
Panuto: Isulat sa loob ng kahon ang tamang bilang ng mga bagay na makikita sa larawan.

1.  + 

+ =

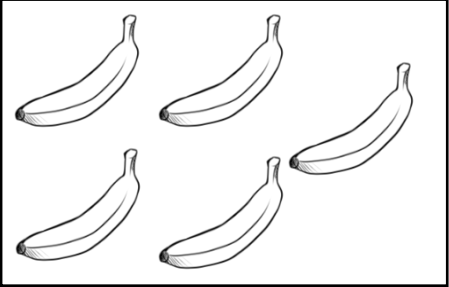
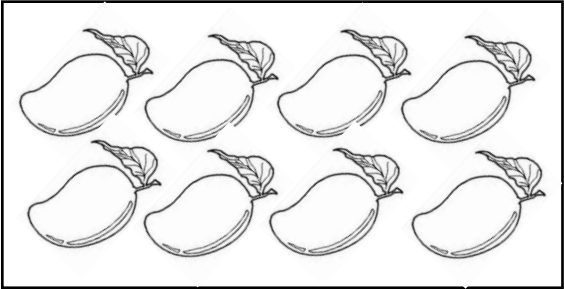
1.  + 

+ =

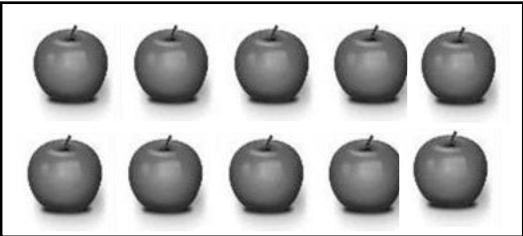
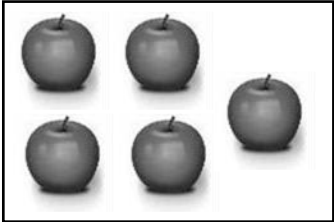
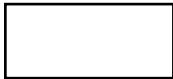
3.  + 

+ =

4.

	+		
	+		= 

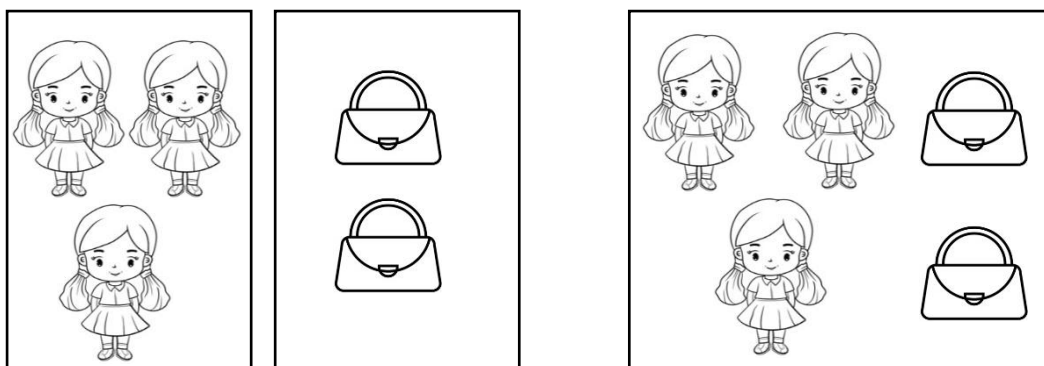
5.

	+		
	+		= 

B. Ano'ng Bago?

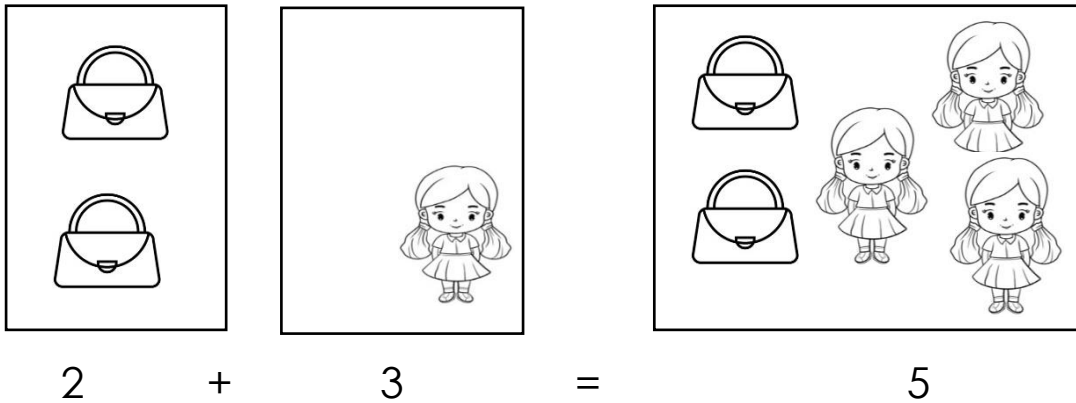
Panuto: Suriing mabuti ang mga larawan. Paghambingin ang ayos ng mga bagay sa una at ikalawang pangkat.

Unang Pangkat:



$$3 + 2 = 5$$

Ikalawang Pangkat:



Mga Tanong:

1. Ano ang napansin mo sa larawan?
2. Alin ang nauna sa unang pangkat?
3. Alin ang nauna sa ikalawang pangkat?
4. Ilan ang kabuuang bilang ng bawat pangkat?

C. Ano ito?

Pagpapalit ng posisyon ng *Addends*

Panuto: Pag-aralan ang ayos ng *addends* at kabuoan o *sum* nito.

$$\begin{array}{ccccccc} \triangle & + & \square\square\square & = & \triangle\square\square\square \\ 1 & + & 3 & = & 4 \end{array}$$

$$\begin{array}{ccccccc} \square\square\square & + & \triangle & = & \square\square\square\triangle \\ 3 & + & 1 & = & 4 \end{array}$$

Ang pagpapalit ng ayos ng *addends* ay hindi nakaaapekto sa kabuoan o *sum* nito.

Halimbawa:

$$\begin{array}{r} 1. \quad 5 + 3 = 8 \\ \quad 3 + 5 = 8 \end{array}$$

$$\begin{array}{r} 2. \quad 10 + 4 = 14 \\ \quad 4 + 10 = 14 \end{array}$$

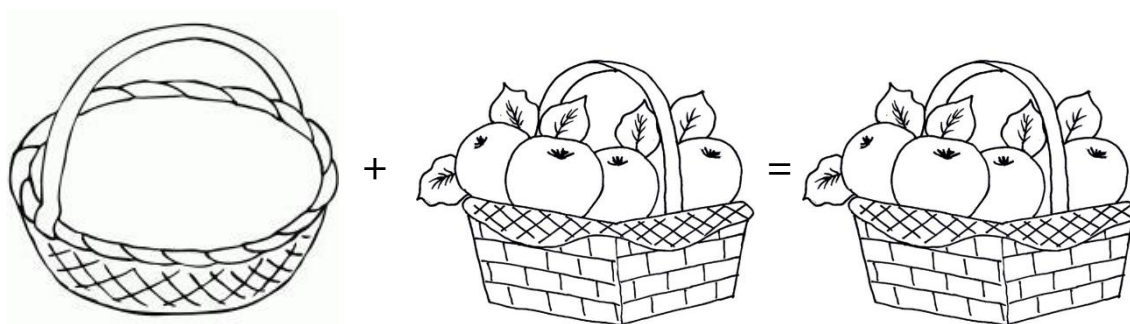
$$\begin{array}{r} 3. \quad 7 + 5 = 12 \\ \quad 5 + 7 = 12 \end{array}$$

Pagdaragdag ng 0

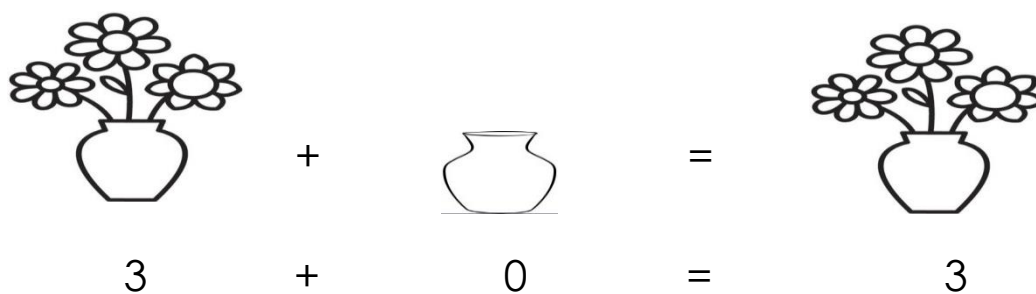
Panuto: Tingnan at pag-aralan ang mga larawan sa ibaba:



$$\underline{\quad 5 \quad} + \underline{\quad 0 \quad} = \underline{\quad 5 \quad}$$



$$0 + 4 = 4$$



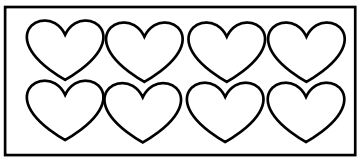
Kapag ang numero ay dinagdagan ng 0, nananatili pa rin ang numero bilang kabuoan o *sum* nito.

Halimbawa:

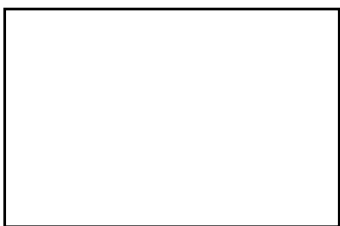
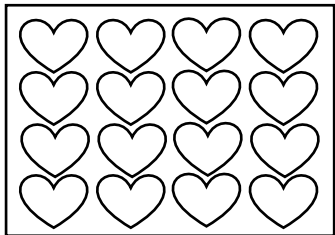
$$\begin{array}{ll} 7 + 0 = 7 & 9 + 0 = 9 \\ 15 + 0 = 15 & 12 + 0 = 12 \\ 19 + 0 = 19 & 8 + 0 = 8 \end{array}$$

D. Ating Subukin!

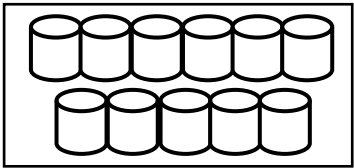
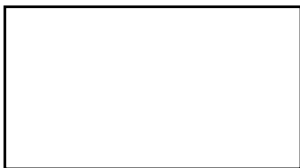
A. Panuto: Isulat ang tamang sagot sa nakalaang patlang.

1.  +  = _____

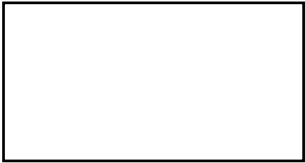
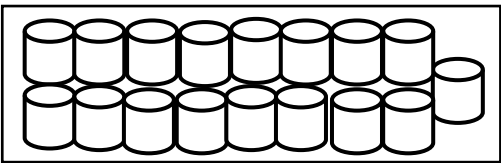
$$8 + 0 = \underline{\hspace{2cm}}$$

2.  +  = _____

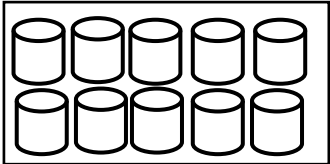
$$0 + 16 = \underline{\hspace{2cm}}$$

3.  +  = _____

$$11 + 0 = \underline{\hspace{2cm}}$$

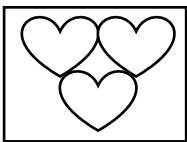
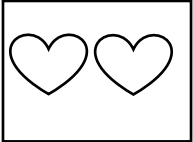
4.  +  = _____

0 + 17 = _____

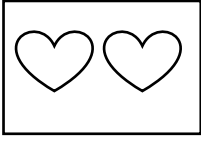
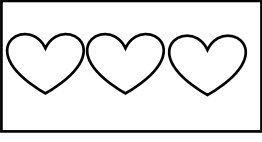
5.  +  = _____

10 + 0 = _____

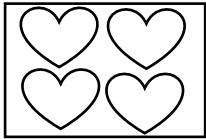
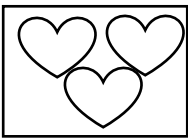
B. Panuto: Punan ang patlang ng tamang sagot.

1.  +  = 5

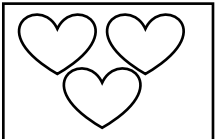
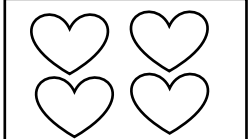
3 + 2 = 5

 +  = 5

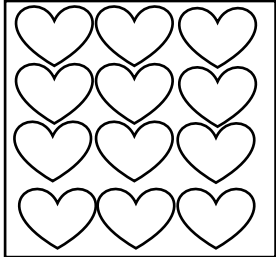
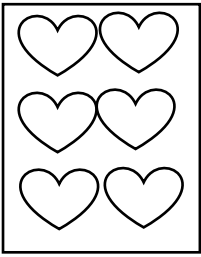
2 + ____ = 5

2.  +  = 7

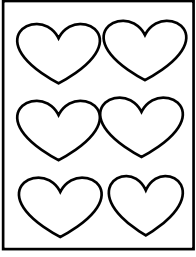
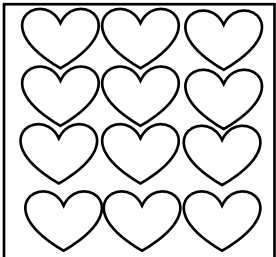
4 + 3 = 7

 +  = 7

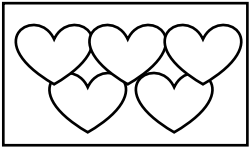
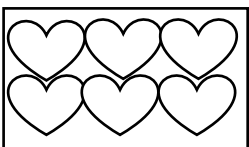
____ + 4 = 7

3.  +  = 18

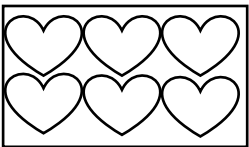
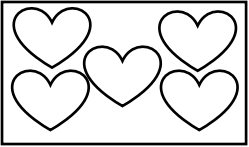
12 + 6 = 18

 +  = 18

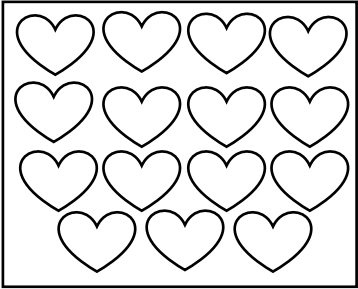
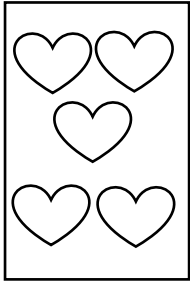
____ + 12 = 18

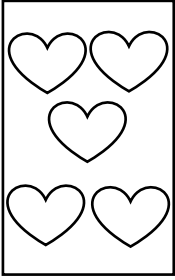
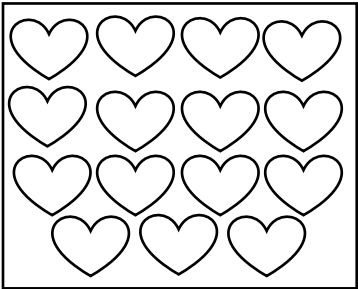
4.  +  = 11

5 + 6 = 11

 +  = 11

____ + 5 = 11

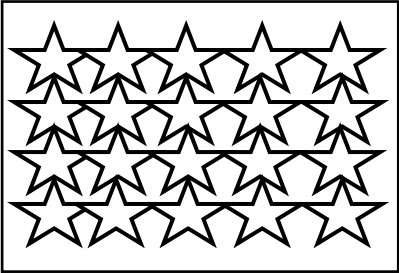
5.  +  = 20

 +  = 20

15 + 5 = 20 5 + ____ = 20

E. Tayahin Natin!

Panuto: Piliin ang angkop na pamilang na pangungusap o *number sentence* sa bawat larawan. Isulat sa nakalaang patlang ang titik ng tamang sagot.

____ 1.  +  a. $12 + 0 = 12$

____ 2.  +  b. $20 + 0 = 20$

Panuto: Pagtapatin ang Hanay A at Hanay B. Isulat ang titik ng tamang sagot sa patlang bago ang bilang.

	Hanay A	Hanay B
____ 3.	$8 + 6 = 14$	a. $3 + 6 = 9$
____ 4.	$7 + 3 = 10$	b. $6 + 8 = 14$
____ 5.	$6 + 3 = 9$	e. $3 + 7 = 10$

Challenge

A. Directions: Change the order of the addends and write the sum.

1. $7 + 9 = 16$

___ + ___ = ___

2. $16 + 4 = 20$

___ + ___ = ___

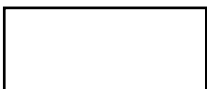
3. $7 + 8 = 15$

___ + ___ = ___

B. Directions: Write the correct addends and sum.

4.  +  = 

_____ + _____ = _____

5.  +  

_____ + _____ = _____

F. Mga Sanggunian

Padilla, Danilo, Rodrigo V. Pascua, Lolita P. Dacuba, Marivic M. Calelao, Dahlia L. Silvania, and Maybellenne A. Garlejo. 2017. *Mathematics 1 Kagamitan ng Mag-aaral*. Korea: Prinpia Co., Ltd.

Ogena, Esther. 2004. *Grade 1 Mathematics Beyond Numbers*. Philippines: Diwa Scholastic Press Inc.

Answers Key

Mathematics 1

Quarter 1 – Module 12: Illustrating by Applying the Properties of Addition Using Sums Up to 20

A. Ating Balikan!

1. $\boxed{8} + \boxed{8} = \boxed{16}$

2. $\boxed{12} + \boxed{8} = \boxed{20}$

3. $\boxed{6} + \boxed{8} = \boxed{14}$

4. $\boxed{5} + \boxed{8} = \boxed{13}$

5. $\boxed{10} + \boxed{5} = \boxed{15}$

D. Ating Subukin!

A.

1. 8

2. 16

3. 11

4. 17

5. 10

B.

1. 3

2. 3

3. 6

4. 6

5. 15

E. Tayahin Natin!

1. b

2. a

3. b

4. e

5. a

Challenge

1. $9 + 7 = 16$

2. $4 + 16 = 20$

3. $8 + 7 = 15$

4. $2 + 2 = 4$

5. $4 + 0 = 4$

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