



Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/2020

Worksheet 2

**NUMERICAL EXPRESSIONS****A. Visual learning.**

- A numerical expression has numbers and at least one operation symbols such as

 $+$     $-$     $\times$     $\div$ 

Examples:

$13 \times 4$

$25 \div 5$

$63 - 9$

$78 + 3$

- We can translate words to expression depends on some **keywords** (more than, less than, fewer than, the total of, as times as, put equally...)

$+$	$-$
... more than ...; ... greater than ...	... less than...; ... fewer than...
$\times$	$\div$
... as ... times as ...	... share/ put/ divide equally; half of ...

Examples: Nam has 16 toy cars.

I have 5 more toy cars than Nam.

Numerical expression

$16 + 5$

I have 9 fewer toy cars than Nam.

Numerical expression

$16 - 9$

I have 3 times as many as Nam has.

Numerical expression

$16 \times 3$

I have half of Nam's toy cars.

Numerical expression

$16 \div 2$



**B. Vocabulary.**

Word phrase	Numerical expression
<b>Example:</b>	
Word phrase: 5 more books than 8 books	
Numerical expression: $8 + 5$	

**C. Practice.****Task 1:** Write a numerical expression for each word phrase.

a) 18 less than 25

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b) half of 24

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c) the total of 24, 16 and 19

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d) 3 times as old as 6 years old

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e) 21 apples share equally to 3 boxes

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f) 9 is taken away from 24

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**Task 2:** Kim has 20 books on each shelf.

There are 4 shelves.

How many books does she have in all?

A.  $20 + 4 = 24$

B.  $20 - 4 = 16$

C.  $4 \times 20 = 80$

D.  $20 \div 4 = 5$

**Task 3:** Tony buys 20 Easter eggs. He shares them equally into 4 crates.

He said that "There are 3 eggs in each crate".

Is this true or false? Explain by draw picture or write equations.




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**Task 4:** Write a numerical expression for the number of people in each situation.

There are 17 people on a bus.

a) 4 people leave the bus

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b) 6 people get on the bus

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c) twice as many as the number of people get on the bus

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**Task 5:** Match the expression and the phrase words.

The difference of 10 plus 4 and 2
The sum of 10 and 4 and 2
A half the sum of 10 and 4
Two times the sum of 10 and 4

$10 + 4 + 2$
$10 + 4 - 2$
$(10 + 4) \times 2$
$(10 + 4) \div 2$