LKPD

MATEMATIKA

Bentuk Aljabar

Nama Kelompok : .....

Nama Anggota Kelompok :
1. .....
2. .....
3. .....
4. .....

LIVEWORKSHEETS

UNSUR-UNSUR

MEETING 1 (2 JP)

ALGEBRAIC FORM

Learning objectives

1. Expressing the quantity that changes-change and unknown quantity with variables.
2. Identify constants, coefficients, variables and terms in algebraic forms and relate each to its context.

Instruction

1. Read every instruction on the LKPD.
2. Each problem is worked on individually TEAM
3. Understand each material presented and ask if there is any part you don't understand

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Activity 1

In the table below, let's say x represents the calorie content of 1 apple, 1 mango represents 1 calorie unit and y represents the calorie content of 1 strawberry.

No.	Gambar	Keterangan	Besar Kalori dalam Bentuk Aljabar
1		2 apel	2x
2		1 mangga	1
3		....	....
4		3 apel + 2 mangga	3x + 2
5		....	....
6		....	....

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Kegiatan 2

Let's look at the picture below then fill in the dots with the correct answer

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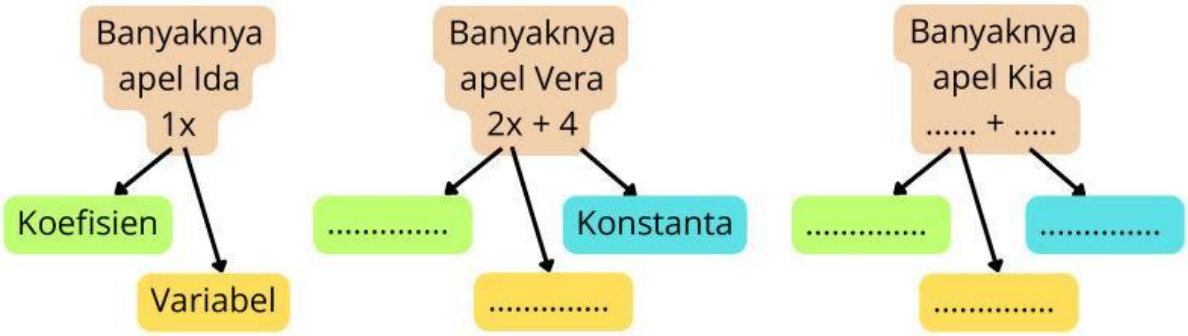
Banyaknya apel Ida ada 1 keranjang

Banyak apel Vera ada 2 keranjang + 4 apel

Banyaknya apel Kia ada ..... + ...

If the basket is symbolized by the letter a, then the number of apples expressed in algebraic form is:



Based on the example above, which is the correct definition of variable, coefficient, and constant? Connect these terms and their definitions with a straight line.

- **A symbol that replaces a number whose value is not yet known with certainty.** — **Koefisien**
- The constant factor of a term in an algebraic form. — **Konstanta**
- **A term of an algebraic form that is a number and does not contain variables** — **Variabel**

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Activity 3

The parts of an algebraic form separated by the "+" and "-" signs are called terms.

Based on the definition above, determine the number of terms in each algebraic form presented in the table below.

No.	Bentuk Aljabar	Banyak Suku	Nama Suku
1	3x	1	Monomial
2	2x + 3	....	Binomial
3	5y - 2	2	....
4	3x + 2y - 5	....	....
5	5a + 3b - 2c	....	Trinomial
6	-7a + 5b - 6c + 9	....	Polinomial
7	8j - 5k + 7l - 4	....	....

Based on the examples above, which is the correct definition of Monomial, Binomial, Trinomial, and Polynomial? Connect these terms and their definitions with a straight line.

- Algebraic form that only has one term — **Polinomial**
- Algebraic form that has two terms — **Trinomial**
- Algebraic form that has three terms — **Monomial**
- Algebraic forms that have more than three terms — **Binomial**

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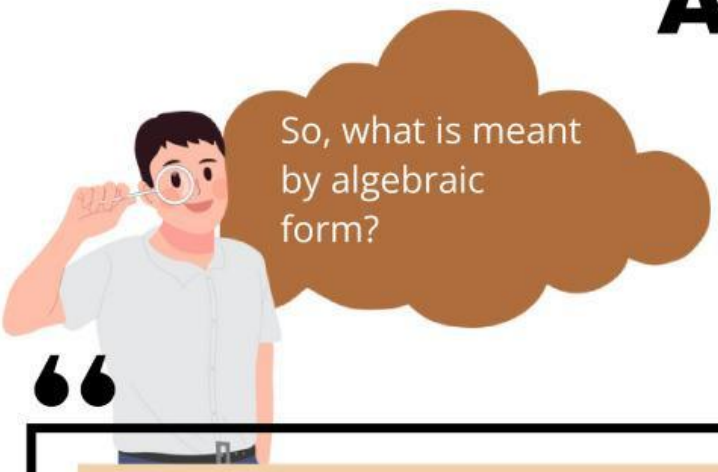

The algebraic form is ....

If there's a test, try it! If there's an obstacle, overcome it! If there's a lesson, learn it!

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