

Using Algebraic Expression

Some formulas and rules in mathematics can be written in a concise and general form using algebraic expressions. Let us see some examples of such expressions.

⇒ Perimeter Formulas

1. If we denote the length of the side of the equilateral triangle by l , then **the perimeter of the equilateral triangle = $3l$**
2. **Perimeter of a square = $4l$** , where l = the length of the side of the square.
3. **Perimeter of a regular pentagon = $5l$** , where l = the length of the side of the pentagon and so on.

Let us understand with an example:

Example: Find the 10th term of the algebraic expression $2n-1$

Solution: Given algebraic expression is $2n-1$

No. of term (n) = 10

So, the value of algebraic expression is

$$= 2(10) - 1$$

$$= 20 - 1$$

$$= 19$$