

- AN EXPRESSION OR ALGEBRAIC EXPRESSION IS ANY MATHEMATICAL STATEMENT WHICH CONSISTS OF NUMBERS, VARIABLES AND AN ARITHMETIC OPERATION BETWEEN THEM. FOR EXAMPLE, $4M + 5$ IS AN EXPRESSION WHERE $4M$ AND 5 ARE THE TERMS AND M IS THE VARIABLE OF THE GIVEN EXPRESSION SEPARATED BY THE ARITHMETIC SIGN $+$.
- AN ALGEBRAIC EXPRESSION IN MATHEMATICS IS AN EXPRESSION WHICH IS MADE UP OF VARIABLES AND CONSTANTS, ALONG WITH ALGEBRAIC OPERATIONS (ADDITION, SUBTRACTION, ETC.). EXPRESSIONS ARE MADE UP OF TERMS.
- $3X + 4Y - 7$, $4X - 10$, ETC.

● EXPONENTS

- AN EXPONENT REFERS TO THE NUMBER OF TIMES A NUMBER IS MULTIPLIED BY ITSELF. FOR EXAMPLE, 2 TO THE 3RD (WRITTEN LIKE THIS: 2^3) MEANS $2 \times 2 \times 2 = 8$. 2^3 IS NOT THE SAME AS $2 \times 3 = 6$. REMEMBER THAT A NUMBER RAISED TO THE POWER OF 1 IS ITSELF.
- THE EXPONENT OF A NUMBER SHOWS HOW MANY TIMES A NUMBER IS MULTIPLIED BY ITSELF. FOR EXAMPLE, 3^4 MEANS 3 IS MULTIPLIED FOUR TIMES BY ITSELF, THAT IS, $3 \times 3 \times 3 \times 3 = 3^4$, AND HERE 4 IS THE EXPONENT OF 3. EXPONENT IS ALSO KNOWN AS THE POWER OF A NUMBER AND IN THIS CASE, IT IS READ AS 3 TO THE POWER OF 4.

● PERIMETER FORMULA

- IN A RECTANGLE, YOU'LL ADD UP THE TWO LONGER SIDES AND THE TWO SHORTER SIDES, OR DOUBLE THE LENGTH AND ADD IT TO DOUBLE THE WIDTH ($P = 2L + 2W$). CIRCLE: TO MEASURE THE DISTANCE AROUND A CIRCLE, OR ITS PERIMETER, YOU USE THE PERIMETER FORMULA TWO TIMES PI TIMES THE RADIUS ($P = 2\pi R$).
- PERIMETER OF A SQUARE, (P) = $4 \times \text{SIDE UNITS}$.