

EXPRESSIONS

def

EXPRESSION: A MATHEMATICAL STATEMENT THAT CONTAINS NUMBERS AND OPERATIONS

$$3+7 \quad 4(5) \quad 9-6 \quad 5 \div 2$$

def

ALGEBRAIC EXPRESSION: AN EXPRESSION THAT CONTAINS AT LEAST ONE VARIABLE

$$3+x \quad 4x \quad 9-x \quad x \div 2$$

PARTS OF EXPRESSIONS

$$2x^3 + 4x + 7$$

def

COEFFICIENT(S): A NUMBER THAT MULTIPLIES A VARIABLE 2 and 4

def

VARIABLE: A SYMBOL, USUALLY A LETTER, THAT REPRESENTS (STANDS IN) FOR A NUMBER X

def

CONSTANT: A QUANTITY THAT HAS A FIXED VALUE 7

def

TERMS: PARTS OF AN EXPRESSION SEPARATED BY + AND - $2x^3$, $4x$ and 7

You TRY:

1) $5x + 14$

COEFFICIENT(S): 5

VARIABLE(S): x

CONSTANT(S): 14

TERM(S): (2) $5x$, 14

2) $3x^2 + 14y + 7$

COEF: 3, 14

V: x, y

CONS: 7

T: (3) $3x^2$, $14y$, 7

EVALUATE EXPRESSIONS

TO EVALUATE AN EXPRESSION, SUBSTITUTE A NUMBER IN PLACE OF THE VARIABLE(S) AND SOLVE.

* WHEN A NUMBER AND LETTER (VARIABLE) ARE WRITTEN SIDE BY SIDE, YOU MULTIPLY

EX: $4x = 4 \cdot x = (4)(x) = 4 \times x$

EVALUATE WHEN $a=10$, $b=3$ and $c=5$

1) $b + 18$

SUBSTITUTE $3 + 18$

SOLVE

$\boxed{21}$

2) $4a \div c$

$4 \cdot 10 \div 5$

$40 \div 5$

$\boxed{8}$

3) b^2

3^2

$\boxed{9}$