



INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS CH11: Algebra

Name: _____

Date: _____

Class: VI Sec: ____

1. Fill in the blanks:
 - a) Expressions involving constants and variables combined by arithmetical operations are called _____
 - b) Parts of algebraic expressions separated by a “+” or “–” sign are called the _____ of the expressions.
 - c) Letters which represent numbers are called _____
 - d) The sum of literals “x” and “y” can be written as _____
 - e) The price of a chocolate is ₹ 12, then price of “x” chocolates is _____ -
2. Write the following in algebraic form using numbers, literal numbers and arithmetic operations:
 - a) y multiplied by -3 _____
 - b) 7 more than number “k” _____
 - c) one fourth of a number “p” _____
 - d) A number 4 less than three times “x” _____
 - e) 6 times “x” taken away from two fifth of “y” _____
 - f) Quotient of “x” and “y” added to product of “a” and “b” _____
 - g) “r” less than the sum of “t” and “q” _____
 - h) $-p$ divided by 128 _____
 - i) $-z$ multiplied to sum of $a, 2b$ and 5 _____
 - j) 12 less than quotient of p and q _____
3. Answer the following in the form of algebraic expressions.
 - a) If Seema is “x” years old now
 - i) How old she will be after 6 years? _____
 - ii) What was her age 2 years before? _____



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- b) The side of a regular hexagon is “s”. What is its perimeter in terms of “s”? _____
- c) The teacher distributes 3 sheets per student. How many sheets are needed, if “r” is the number of students? _____
- d) Price of rice per kg is ₹ “y”. Price of almonds per kg is 7 times the price of rice per kg. What is the price of almond? _____

4. Check which of the following numbers given in the bracket is the solution of the given equation:

a) $5x + 3 = 18$, (0, 1, 2, 3, 4)

b) $-3y + 1 = 7$ (-1, 1, -2, 2)

c) $\frac{p}{4} = 5$ (5, 10, 15, 20)