

BHARATIYA VIDYA BHAVAN'S V.M.PUBLIC SCHOOL, VADODARA
SESSION 2017-18
Question bank
Chapter 11. Algebraic Expressions

Q1) Write the following using numbers, literals and signs of basic operations

- a) 12 more than a number x. b) y less than 6 c) 9 taken away from the sum of x and y

Q2) Write the following in exponential form:

- a) $6 \times X \times X \times Y \times Y$ b) $b \times b \times b \times b \times \dots \dots \dots 25 \text{times}$

Q3) Write down the following in the product form

- a) $5 X^2 Y^4$ b) $10 a^2 b^3 c^2$

Q4) If $p = 3$, $q = 1$ and $r = 2$ find the value of

- a) $p^2 - q^2 + r^2$ b) $4p + 3q - 3r$

Q5) Complete the following using the formula

a) $y = 2(x + 1)$

X	1	2	3	4
y				

b) $Q = 10P - 3$

P	3	2	1	0
Q				

Q6) Meena is Tina's elder sister. Meena is 5 years older than Tina. Write down Meena's age in terms of Tina's age.

Q7) Puneet saves Rs. X per week from his pocket money. How much does he save in the month of May.

Q8) Write down all possible expressions using m, 3, and 8. Use only two number operations in one expression.

Q9) A school distributes six books per student. Can you tell how many books were distributed?

Q10) The side of an equilateral triangle is x cm. Express the perimeter of the triangle in terms of x.