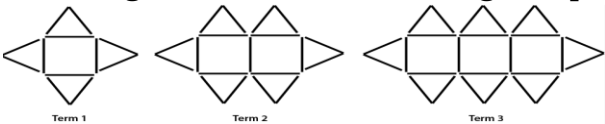


INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics
WORKSHEET-MCQ (2026-27)
Expressions Using Letter Numbers

Multiple Choice Questions

Q.1	The expression represents “7 less than 4 times y” is:							
	A	$7y - 4$	B	$4y - 7$	C	$7 - 4y$	D	$4y + 7$
Q.2	The example for an algebraic expression is:							
	A	25	B	$7 + 9$	C	$3x + 5$	D	$18 \div 2$
Q.3	shopkeeper is preparing gift hampers. The number of chocolates in one box is represented by $3x + 5$, and the number of candies in another box is represented by $2x + 7$. Write an expression for the total number of chocolates and candies.							
	A	$5x + 12$	B	$5x + 2$	C	$12 + 6x$	D	$8x + 9x$
Q.4	If $a = 3$, What is the value of $2a + 5$?							
	A	8	B	11	C	9	D	12
Q.5	Which pair consists of like terms?							
	A	$4m, 4n$	B	$6p^2, -2p^2$	C	$3x, 3x^2$	D	$5a, 5b$
Q.6	The number of terms in the expression $-3xy + 6x \div 3 - 4 \times 4y + 2x$ is:							
	A	2	B	3	C	4	D	6
Q.7	Find the value of the expression $p - (3 + q)$, when $p = 1, q = -4$							
	A	8	B	-6	C	2	D	0
Q.8.	The terms of the expression $\frac{7}{9}mn \div 2q \times 7$							
	A	$\frac{7}{9}mn \div 2q, 7$	B	$\frac{7}{9}mn, 2q, 7$	C	$\frac{7}{9}mn, 2q \times 7$	D	$\frac{7}{9}mn \div 2q \times 7$
Q.9	Subtract $7p + 2q + 7$ from $10p - 8q - 3$							
	A	$17p - 6q - 4$	B	$3p - 10q - 10$	C	$3p - 6q - 10$	D	$3p + 10q + 10$
Q.10	A stationery shop has $7x + 12$ notebooks in one storage box and $3x + 5$ notebooks in another box. The shopkeeper wants to find how many more notebooks are in the first box than in the second box. Write an algebraic expression for the difference of books.							
	A	$10x - 7$	B	$4x - 7$	C	$10x + 17$	D	$4x + 7$

Q.11	Write a general formula for the given pattern:							
								
	A	$7n + 5$	B	$5n + 7$	C	$12n + 5$	D	$19 + n$
Q.12	The perimeter of a regular hexagon is $6(a + b)$. What is the perimeter if $a = 10$ and $b = 4$?							
	A	64 units	B	48 units	C	84 units	D	20 units
Q.13	On simplifying $8x - 5y + 6 - 3x - 4 - 4y + x$, we get:							
	A	$4x - 9y + 10$	B	$6x - 9y + 2$	C	$6x + y + 2$	D	$12x - 9y + 2$
Q.14	If $p = 10$, then the difference between $5p$ and $5 + p$ is:							
	A	40	B	0	C	5	D	35
Q.15	Case Study A community centre is arranging a small cultural event. The number of chairs in different sections is represented using algebraic expressions. The organizers use these expressions to calculate the total number of chairs and the number left after some are moved.  a) Section A has $3x + 5$ chairs and Section B has $2x + 7$ chairs. Write an expression for the total number of chairs. b) Simplify the expression obtained in part (a). c) If $x = 4$, find the total number of chairs. d) From the total, $x + 3$ chairs are moved to another area. Write and simplify an expression for the chairs remaining. e) Find the number of chairs remaining when $x = 4$.							

Answers	1	B	2	C	3	A	4	B
	5	B	6	C	7	C	8	D
	9	B	10	D	11	A	12	C
	13	B	14	D	15	a. $(3x + 5) + (2x + 7) = 5x + 12$		
						b. $5x + 12$		
						c. 32 chairs		
						d. $5x + 12 - (x + 3) = 4x + 9$		
						e. 25 chairs		

