

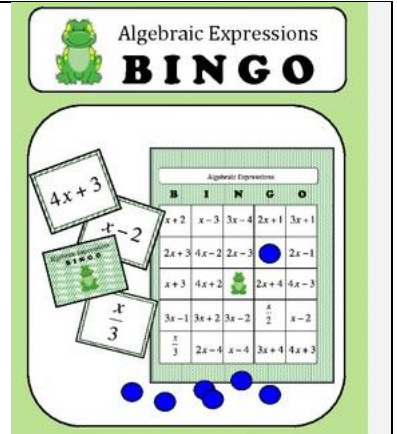
INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics
WORKSHEET (MCQ& CASE STUDY) –ALGEBRAIC EXPRESSIONS

Multiple Choice questions

Q.1.	The value of $2(m - 5) + 3$, if $m = (-2)$							
	A	11	B	-4	C	-11	D	4
Q.2.	The coefficient of the term containing x in the expression $3x^2 - 3xy + 5y - 6$							
	A	3	B	-3	C	5	D	-6
Q.3.	$6p - 5q + r$ is							
	A	Monomial	B	Binomial	C	Trinomial	D	None of these
Q.4.	Which of the following are like terms							
	A	$5mn, 5mp$	B	$2x^2y, (-x^2y)$	C	$5x^2y, 3xy^2$	D	$3mn, 3pn$
Q.5.	The sum of $2a - 3b + 4c$ and $-3b + 6a + 5c$							
	A	$-5b + 6a + 9c$	B	$a - 6b - 9c$	C	$-6b + 8a + 9c$	D	$6b - 8a + 9c$
Q.6.	What should be added to $2p^2 - pq + 8p + 7$ to get $-3p^2 + 4pq - 3p + 5$							
	A	$-5p^2 + 5pq - 11p - 3$	B	$5p^2 - 5pq + 11p - 3$	C	$-p^2 + 3pq + 5p + 3$	D	$2p^2 - 5pq - 5p + 12$
Q.7.	The perimeter of a triangle $6ab - 3b, 7b + 5bc$ and $3ab - 2bc$							
	A	$5ab - 2bc + 10b$	B	$9ab - 3bc - 4b$	C	$9ab + 3bc + 4b$	D	$-9ab - 5bc - 7b$
Q8.	The factors of the term $-8x^2yz$							
	A	$-8, y, x, z$	B	$8, x, y, z$	C	$-8, x, y, z$	D	$-8, x, x, y, z$
Q9	$2x^2 - 5x + k = 7$ for $x = 3$ then the value of k is							
	A	10	B	4	C	6	D	-6
Q10	Tanvi has $7mn - 6m + n$ chocolates. if $m = 3$ and $n = 2$, the number of chocolates Tanvi has							
	A	35	B	33	C	32	D	26

SOURCE BASED QUESTION

Meera and Teena were playing Bingo game. Based on the information answer the following questions



Q11	$4x + 3y + 1$ is -----(binomial/Trinomial)
Q12	The sum of $2x+4$ and $3x-2$ is -----
Q13	The value of the expression $3xy - 2y + 5x$ for $x = (-1)$ and $y = 2$ is -----
Q14	What should be added to $5abc + 3bc - 8b$ to get $-7abc - bc + 5b$?
Q15	The coefficient of y in $6x^2y z$ is -----
Q.16	<p>CASE STUDY: National association for the blind (NAB) aim to empower and well inform visually challenged population for our country thus enabling them to lead a life of dignity and productivity. Students donated for the help of blind. Based on the information answer the following questions.</p> <p>I. Piyush donated $x + 2y + 3$ and Manu donated $3x - 7y + 2$. Find the amount donated by both.</p> <p>II. Evaluate the expression $ab^2 - 2b + 7$ if $a = (-1)$ and $b = 2$</p> <p>III. Merin donated $6m^2 - 8m + 5$ if $m = 5$, find the amount she donated.</p>



ANSWERS

1.	C	2.	B	3.	C	4.	B
5.	C	6.	A	7.	C	8.	D
9.	B	10.	C	11.	Trinomial	12.	$5x + 2$
13.	-15	14.	$-12abc - 4bc + 13b$	15.	$6x^2 z$	16.	I. $4x - 5y + 5$ II. (-1) III. 115