# INDIAN SCHOOL NIZWA- WORKSHEET

**Chapter 6 We Distribute, yet things multiply**

**Name:** **Class :VIII Sec:**

## Multiple Choice Questions

1. The expansion of $(-3 + u)(v - 3)$ is
   A. $uv - 9$
   B. $uv + 3v - 3u - 9$
   C. $3v - 9u$
   D. $uv - 3v - 3u + 9$
2. $\frac{2}{3}(15 + 9a) =$
   A. $10 + 6a$
   B. $10 + 4a$
   C. $15 + 4a$
   D. $5 + 6a$
3. $(10a + b)(10c - d)$ equals
   A. $100ac + bd$
   B. $10ac + 10bd$
   C. $100ac + 10ad + 10bc + bd$
   D. $100ac - 10ad + 10bc - bd$
4. $(3 - x)(x - 6) =$
   A. $x^2 - 3x - 18$
   B. $-x^2 + 9x - 18$
   C. $-x^2 - 9x + 18$
   D. $x^2 + 9x - 18$
5. $(-5a + b)(c + d)$ gives
   A. $-5ac + bd$
   B. $-5ac - 5ad + bc + bd$
   C. $5ac - bc$
   D. $bc - 5ad$
6. $(a - b)(a + b) =$
   A. $a^2 + b^2$
   B. $a^2 - b^2$
   C. $(a - b)^2$
   D. $2ab$
7. $(a - b)(a^2 + ab + b^2) =$
   A. $a^3 + b^3$
   B. $a^3 - b^3$
   C. $a^2 - b^2$
   D. $a^3 + ab^2$

8. $(b - 6)^2 =$
   A. $b^2 - 36$
   B. $b^2 + 12b + 36$
   C. $b^2 - 12b + 36$
   D. $b^2 - 6b + 36$
9. $(-2a + 3)^2 =$
   A. $4a^2 - 12a + 9$
   B. $4a^2 + 12a + 9$
   C. $-4a^2 + 9$
   D. $2a^2 + 9$
10. $100$ can be written as
   A. $12^2 - 2^2$
   B. $11^2 - 1^2$
   C. $15^2 - 5^2$
   D. $6^2 + 8^2$
11. $(p - 1)(p + 11) =$
   A. $p^2 + 10p - 11$
   B. $p^2 + 11p - 1$
   C. $p^2 - 10p - 11$
   D. $p^2 + 12p - 11$
12. $(9b - 3a)(3a + 9b) =$
   A. $81b^2 + 9a^2$
   B. $9a^2 - 81b^2$
   C. $6ab$
   D. $81b^2 - 9a^2$
13. $-(2y + 5)(3y + 4) =$
   A. $-6y^2 - 23y - 20$
   B. $6y^2 + 23y + 20$
   C. $-6y^2 + 23y - 20$
   D. $6y^2 - 23y + 20$
14. $(6x + 5y)^2 =$
   A. $36x^2 + 25y^2$
   B. $36x^2 + 60xy + 25y^2$
   C. $36x^2 - 60xy + 25y^2$
   D. $6x^2 + 5y^2$
15. $(7p)(3r)(p + 2) =$
   A. $21pr(p + 2)$
   B. $21p^2r + 42pr$
   C. $21pr + 6p$
   D. $42p^2r$