

Chapter – 11

Algebra

Worksheet – 2

1. If $x - 2 + 3 = 6$, then find the value of x ?
 - a. 4
 - b. 5
 - c. 6
 - d. 7
2. If $x + 2 - 7 = 6$, then find the value of x ?
 - a. 10
 - b. 11
 - c. 12
 - d. 13
3. If $x + y = 10$, then value of x in terms of y is: -
 - a. $y - 10$
 - b. $y - 11$
 - c. $10 - y$
 - d. $y + 10$
4. Coefficient of b in $(-9abc)$ is _____.
 - a. $-9a$
 - b. $-9ac$
 - c. $9ac$
 - d. $9c$
5. Numerical coefficient in $3abc$ is _____.
 - a. 1
 - b. 2
 - c. 3
 - d. 4
6. Numerical coefficient in $5a^2$ is –
 - a. 2
 - b. 5
 - c. 7
 - d. 9
7. If $\frac{y}{6} = 1$, then $y =$ _____.

- a. 5
 - b. 6
 - c. 7
 - d. 8
8. Which of the following is an equation with two variables?
- a. $X + y = z$
 - b. $X - y = z$
 - c. $X + 2 = z$
 - d. $X - y = -z$
9. 4 times x added to 14 is equal to ____.
- a. $14 - 4x$
 - b. $14 + 4x$
 - c. $4x - 14$
 - d. $4(x + 14)$
10. 6 times x subtracted from y is equal to –
- a. $Y - 6x$
 - b. $Y + 6x$
 - c. $Y + 5x$
 - d. $5x - y$
11. If the side of a regular pentagon is x, then find its perimeter?
12. Write algebraic expression for “7 times number x is less than 2 times variable z”?
13. If $x = 8$, then find the value of the following:
- a. $4x + 10$
 - b. $8x$
 - c. $2x - 5$
 - d. $3(x - 2)$
14. If $x = 6$ and $y = 4$, then find the value of the following:
- a. $X + y + 5$
 - b. $X + y - 8$
 - c. $X - y + 2$
 - d. $X - y - 5$
15. If $\frac{5}{7}x = 25$, then find the value of x?
16. Check whether $3x - 5 = 4x - 8$ is correct for which value of x?
17. Check whether $2z - 5 = 5z - 17$ is correct for which value of z?

18. Rajesh scored 30 marks in Math's, 50 in English and x marks in Hindi.
Then what is his total score in all three subjects?
19. Neeta scored 40 marks in Math's, y marks in English and x marks in Hindi.
Then what is her total score in all three subjects?
20. If Namrata scored 240 marks in three subjects and his marks in Math's and English are x and y respectively, then how much marks did she got in Hindi?