EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Algebraic Expressions

Grade : SSC Grade VII

1. Which of the following terms can be subtracted from $(-5p^4)$?

   (i) $(-2p^3)$ (ii) $4p^4$ (iii) $(-4p)$ (iv) (-7) (v) $4p^2$

2. Which of the following terms can be added to $(-7wv^2x)$?

   (i) vw^2x^2 (ii) $(-9v^2w^2x)$ (iii) $7vwx^2$ (iv) $(-2vwx)$ (v) $5v^2wx$

3. Which of the following terms can be added to $(-4vw^2)$?

   (i) $6vw^2$ (ii) $(-9uv^2)$ (iii) $(-uv^2w)$ (iv) $(-8uv)$ (v) $(-4uw)$

4. The value of $(-2k^3)-(-9k^3)$ is

   (i) $8k^3$ (ii) $4k^3$ (iii) $7k^3$ (iv) $9k^3$ (v) $6k^3$

5. The coefficient of term xy in polynomial $(-9x^2y^2+2x^2-9xy+2y)$ is

   (i) -12 (ii) -9 (iii) -7 (iv) -10 (v) -8

6. Which of the following algebraic expressions is a constant polynomial?

   (i) $(4vw^2x^2+w^2x)$ (ii) (-5) (iii) $(4v^3w^2x^2+4v^2w^2x+6vw^3)$ (iv) $(4v^3w^3x^2-8v^3wx^2-5vx^3+9wx)$

   (v) $(-7v^2w^2x)$

7. The degree of the polynomial $(8s^4+9s+9)$ is

   (i) 5 (ii) 7 (iii) 1 (iv) 3 (v) 4

8. The value of $\frac{3}{5}j^3k^3l^3+\frac{3}{4}j^3k^3l^3+\frac{3}{4}j^3k^3l^3+\frac{4}{5}j^3k^3l^3$ is

   (i) $\frac{25}{8}j^3k^3l^3$ (ii) $\frac{29}{10}j^3k^3l^3$ (iii) $\frac{11}{4}j^3k^3l^3$ (iv) $\frac{27}{10}j^3k^3l^3$ (v) $\frac{31}{10}j^3k^3l^3$

9. The value of the polynomial $(8c^3+c+4)$ at $c=3$ is

   (i) 222 (ii) 221 (iii) 223 (iv) 224 (v) 226

10. The value of $4f-(-8f)$ is

    (i) $9f$ (ii) $12f$ (iii) $14f$ (iv) $11f$ (v) $13f$

11. The value of $\frac{1}{3}h^2 - \frac{2}{3}h^2 - \frac{3}{4}h^2$ is

(i) $(-\frac{11}{12}h^2)$ (ii) $(-\frac{13}{12}h^2)$ (iii) $(-\frac{5}{4}h^2)$ (iv) $(-\frac{13}{10}h^2)$ (v) $(-\frac{13}{14}h^2)$

12. The value of $(-3t^3u^3v^3) + (-3t^3u^3v^3) + (-6t^3u^3v^3) + 9t^3u^3v^3$ is

(i) $(-4t^3u^3v^3)$ (ii) $(-5t^3u^3v^3)$ (iii) $(-2t^3u^3v^3)$ (iv) $(-3t^3u^3v^3)$ (v) $(-t^3u^3v^3)$

13. The value of $3t^2 + 8t^2 + 7t^2$ is

(i) $17t^2$ (ii) $18t^2$ (iii) $19t^2$ (iv) $20t^2$ (v) $16t^2$

14. The value of $(-3e^2f^2 - 5e^2 + 9ef + 6e) - (-ef^2 - ef - 9e - 6f^2)$ is

(i) $(-3e^2f^2 - 5e^2 + ef^2 + 10ef + 15e + 6f^2)$ (ii) $(-3e^2f^2 - 2e^2 + ef^2 + 10ef + 15e + 6f^2)$

(iii) $(-3e^2f^2 - 7e^2 + ef^2 + 10ef + 15e + 6f^2)$ (iv) $(-4e^2f^2 - 5e^2 + ef^2 + 10ef + 15e + 6f^2)$

(v) $(-2e^2f^2 - 5e^2 + ef^2 + 10ef + 15e + 6f^2)$

15. The degree of the polynomial $(9u - 7)$ is

(i) 2 (ii) 3 (iii) 1 (iv) 0 (v) (-2)

16. The value of $(-3w^2x^2) + (-2w^2x^2) + (-5w^2x^2) + (-8w^2x^2)$ is

(i) $(-18w^2x^2)$ (ii) $(-17w^2x^2)$ (iii) $(-19w^2x^2)$ (iv) $(-21w^2x^2)$ (v) $(-15w^2x^2)$

17. The value of $\frac{1}{4}c^3 - \frac{3}{4}c^3$ is

(i) $(-\frac{1}{4}c^3)$ (ii) $\frac{1}{2}c^3$ (iii) $(-\frac{1}{2}c^3)$ (iv) $(-c^3)$ (v) $(-\frac{3}{2}c^3)$

18. The value of the polynomial 0 at $l = 3, m = 4, n = 5$ is

(i) 0 (ii) 1 (iii) 2 (iv) -1 (v) -2

19. Which of the following algebraic expressions is a binomial?

(i) $(9g^3hi^2 + g^3i - 3gi^2 - 4)$ (ii) $(-6g^3h^3 + 5g^3i - 5gh^2i^3)$ (iii) $(2g^2h^3 - g^2hi - 2ghi + 7h^2i^2)$

(iv) $(9g^3hi^2 - 6hi^3)$ (v) $9g^3h^2i^2$

20. The value of $\frac{1}{4}g + \frac{1}{5}g + \frac{3}{4}g + \frac{1}{3}g$ is

(i) $\frac{7}{5}g$ (ii) $\frac{25}{17}g$ (iii) $\frac{23}{15}g$ (iv) $\frac{21}{13}g$ (v) $\frac{5}{3}g$

21. The value of $(-9jkl) + 7jkl$ is

(i) $(-4jkl)$ (ii) jkl (iii) $(-jkl)$ (iv) $(-2jkl)$ (v) $(-3jkl)$

22. The value of $\frac{3}{5}j^4 + \frac{1}{2}j^4 + \frac{1}{4}j^4 + \frac{1}{2}j^4$ is

(i) $\frac{39}{22}j^4$ (ii) $\frac{7}{4}j^4$ (iii) $\frac{39}{20}j^4$ (iv) $\frac{35}{18}j^4$ (v) $\frac{37}{20}j^4$

23. The value of $(-2w+8)+(-6w-2)$ is

(i) $(-9w+6)$ (ii) $(-8w+6)$ (iii) $(-5w+6)$ (iv) $(-7w+6)$ (v) $(-11w+6)$

24. Which of the following algebraic expressions is a monomial?

(i) $(7q^4-6q^3-9q^2+2q-8)$ (ii) $9q$ (iii) $(-6q^4+4q^3+9q^2)$ (iv) $(-5q-9)$

(v) $(9q^4-6q^3+6q^2+8q+7)$

25. The value of $(-4cd-7d+5)-(-4c-9d+6)$ is

(i) $(-3cd+4c+2d-1)$ (ii) $(-5cd+4c+2d-1)$ (iii) $(-4cd+6c+2d-1)$ (iv) $(-4cd+4c+2d-1)$

(v) $(-4cd+2c+2d-1)$

Assignment Key

1) (ii)	2) (v)	3) (i)	4) (iii)	5) (ii)	6) (ii)
7) (v)	8) (ii)	9) (iii)	10) (ii)	11) (ii)	12) (iv)
13) (ii)	14) (i)	15) (iii)	16) (i)	17) (iii)	18) (i)
19) (iv)	20) (iii)	21) (iv)	22) (v)	23) (ii)	24) (ii)
25) (iv)					