EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Algebraic Expressions

Grade : SSC Grade VIII

1. The value of $\frac{3}{4}p+\frac{1}{2}p$ is

   (i) $\frac{3}{4}p$ (ii) $\frac{5}{2}p$ (iii) $\frac{7}{4}p$ (iv) $\frac{5}{4}p$ (v) $\frac{5}{6}p$

2. The degree of polynomial $(-e^2-9efg^2-9f^2+3fg^2-9g)$ is

   (i) 7 (ii) 5 (iii) 2 (iv) 4 (v) 3

3. Which of the following is a like term of $(-4n^2o^2m^2)$?

   (i) $(-2mno)$ (ii) $(-8m^2n^2o^2)$ (iii) $(-5m^2no)$ (iv) m^2no^2 (v) $7mno^2$

4. The value of $(3g^2+7g+3)+(-8g^2-5g-6)$ is

   (i) $(-5g^2+2g-3)$ (ii) $(-7g^2+2g-3)$ (iii) $(-2g^2+2g-3)$ (iv) $(-6g^2+2g-3)$ (v) $(-4g^2+2g-3)$

5. The expanded form of $(x+5)(x-8)(x+7)(x+4)$ is

   (i) $(-x^4+8x^3-45x^2-524x-1120)$ (ii) $(2x^4+8x^3-45x^2-524x-1120)$

   (iii) $(x^4+8x^3-45x^2-524x-1120)$ (iv) $(3x^4+8x^3-45x^2-524x-1120)$ (v) $(8x^3-45x^2-524x-1120)$

6. The value of $(-7p^2q+2p^2-7pq+4q^2)-(4pq^2-7pq-4p+11q)$ is

   (i) $(-6p^2q+2p^2-4pq^2+4p+4q^2-11q)$ (ii) $(-7p^2q+2p^2-4pq^2+4p+4q^2-11q)$

   (iii) $(-7p^2q-p^2-4pq^2+4p+4q^2-11q)$ (iv) $(-8p^2q+2p^2-4pq^2+4p+4q^2-11q)$

   (v) $(-7p^2q+5p^2-4pq^2+4p+4q^2-11q)$

7. The value of the polynomial $(-5d^2f+5de^2f)$ at $d=5, e=(-5), f=0$ is

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

8. Which of the following algebraic expressions is a zero polynomial?

   (i) $(-u^3v^3w+u^3w+6uvw^2)$ (ii) $(-7uv^3w^3)$ (iii) $(-4u^3vw^3+7uv^2w^3)$

   (iv) $(-5u^3v^3w-5u^2w^3-8v^3+3v)$ (v) 0

9. The expanded form of $(\frac{1}{2}uv)^3$ is

   (i) $\frac{1}{2}uv\times\frac{1}{2}uv$ (ii) $\frac{1}{2}uv\times\frac{1}{2}uv\times\frac{1}{2}uv\times\frac{1}{2}uv$ (iii) $\frac{1}{2}uv\times\frac{1}{2}uv\times\frac{1}{2}uv\times\frac{1}{2}uv\times\frac{1}{2}uv$ (iv) $\frac{1}{2}uv\times\frac{1}{2}uv\times\frac{1}{2}uv$ (v) $\frac{1}{2}uv$

10. The value of the polynomial $(8u^2v^2w-6w^2+5w)$ at $u=(-4), v=4, w=4$ is

(i) 8115 (ii) 8117 (iii) 8116 (iv) 8118 (v) 8114

11. Which of the following terms can be added to 5 ?

(i) $6tu$ (ii) $9u$ (iii) 1 (iv) $6su$ (v) $5st$

12. $5\times a\times a\times a\times b\times b=$

(i) $3a^3b^2$ (ii) $5a^2b^2$ (iii) $5a^3b^2$ (iv) $8a^3b^2$ (v) $5a^4b^2$

13. The expanded form of $(3x-9)(2x-9)(x-4)$ is

(i) $(3x^3-69x^2+261x-324)$ (ii) $(8x^3-69x^2+261x-324)$ (iii) $(5x^3-69x^2+261x-324)$

(iv) $(7x^3-69x^2+261x-324)$ (v) $(6x^3-69x^2+261x-324)$

14. The coefficient of term $a^3b^2c^3$ in polynomial $(-4a^3b^2c^3+2ab^3c+7ab^3-9ab^2c^2+9bc^2-2c^2+c)$ is

(i) -2 (ii) -3 (iii) -5 (iv) -4 (v) -6

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

(i) 3 (ii) $3n^3$ (iii) $(-9n^2-5n-1)$ (iv) $(5n^4-8n^3+8n^2+n-3)$ (v) $(-4n^2+6)$

16. The sum of the terms $(-3v), 3v, 1, 1, 9$ is

(i) 11 (ii) 10 (iii) 14 (iv) 8 (v) 12

17. The value of 95×85 is

(i) 8078 (ii) 8074 (iii) 8072 (iv) 8076 (v) 8075

18. Which of the following terms can be added to $(-2on^2p^2)$?

(i) $(-8n^2op)$ (ii) $(-3nop^2)$ (iii) $6n^2op^2$ (iv) $(-5no^2p)$ (v) $9no^2p^2$

19. The value of $(-k^5-7k+9)+(-4k^4-8k^2-3k)+(6k^5+5k^3+5k^2)+(-5k^4-3k^3-1)$ is

(i) $(5k^5-9k^4+2k^3-3k^2-10k+8)$ (ii) $(4k^5-9k^4+2k^3-3k^2-10k+8)$

(iii) $(2k^5-9k^4+2k^3-3k^2-10k+8)$ (iv) $(7k^5-9k^4+2k^3-3k^2-10k+8)$

(v) $(6k^5-9k^4+2k^3-3k^2-10k+8)$

20. The value of $(-4z)\times(-5z)\times(-1)\times(-2z)$ is

(i) $40z^3$ (ii) $39z^3$ (iii) $41z^3$ (iv) $43z^3$ (v) $38z^3$

21. The value of $(-4a^3)-4a^3$ is

(i) $(-8a^3)$ (ii) $(-9a^3)$ (iii) $(-6a^3)$ (iv) $(-7a^3)$ (v) $(-10a^3)$

22. The value of the polynomial $(9c^2d^2e^2 - 9c^2e^2 + 2d^2e)$ at $c = (-1), d = 0, e = 0$ is

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

23. The value of $(-5w^2xy^2) \times (-6wx)$ is

(i) $33w^3x^2y^2$ (ii) $30w^3x^2y^2$ (iii) $29w^3x^2y^2$ (iv) $28w^3x^2y^2$ (v) $31w^3x^2y^2$

24. The value of $300\frac{1}{3} \times 298\frac{1}{2}$ is

(i) 89650 (ii) $89650\frac{1}{2}$ (iii) $89649\frac{1}{4}$ (iv) $89649\frac{1}{2}$ (v) $89648\frac{1}{2}$

25. The coefficient of term bcd in polynomial $(-7b^2c^2d + 5bc^2d + 4bcd - bd - 9c^2)$ is

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

Assignment Key

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