EduSahara™ Assignment

Name : Polynomial Addition and Subtraction

Chapter : Algebraic Expressions

Grade : SSC Grade VIII

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1. The sum of the terms $7v, (-2), (-6), (-2), 7$ is

   (i) $(7v-6)$ (ii) $7v$ (iii) $(6v-3)$ (iv) $(7v-3)$ (v) $(8v-3)$

2. The sum of the terms $(-e), 9, 8, (-ef), 9e$ is

   (i) $(-2ef+8e+17)$ (ii) $(-ef+8e+17)$ (iii) $(8e+17)$ (iv) $(-ef+6e+17)$ (v) $(-ef+11e+17)$

3. The sum of the terms $9, rs, 2r, (-8rt), (-8rt)$ is

   (i) $(rs-13rt+2r+9)$ (ii) $(2rs-16rt+2r+9)$ (iii) $(rs-19rt+2r+9)$ (iv) $(-16rt+2r+9)$

   (v) $(rs-16rt+2r+9)$

4. The sum of the expressions $(-7e-8), (6e-1), (7e-4), (5e+6), (5e-5)$ is

   (i) $(17e-12)$ (ii) $(16e-14)$ (iii) $(16e-9)$ (iv) $(16e-12)$ (v) $(15e-12)$

5. The sum of the expressions $(-9t-3), (14t+6), (-3u-5), (6tu-7), (2t-u)$ is

   (i) $(6tu+10t-4u-9)$ (ii) $(5tu+7t-4u-9)$ (iii) $(6tu+7t-4u-9)$ (iv) $(6tu+5t-4u-9)$

   (v) $(7tu+7t-4u-9)$

6. The sum of the expressions $(-5a-4), (a-3), (-9a+9), (4a+3), (-2a-4)$ is

   (i) $(-11a+1)$ (ii) $(-12a+1)$ (iii) $(-10a+1)$ (iv) $(-11a+3)$ (v) $(-11a-1)$

7. The sum of the expressions $(-5k+l+1), (-4kl-5l+1), (3kl-k+1), (6kl-2k-7), (-k+4l-2)$ is

   (i) $(4kl-9k-6)$ (ii) $(5kl-7k-6)$ (iii) $(5kl-9k-6)$ (iv) $(5kl-11k-6)$ (v) $(6kl-9k-6)$

8. The value of $6tu + 8tu$ is

   (i) $15tu$ (ii) $13tu$ (iii) $12tu$ (iv) $14tu$ (v) $16tu$

9. The value of $7b^2c^2 + 5b^2c^2 + 8b^2c^2 + b^2c^2$ is

   (i) $20b^2c^2$ (ii) $21b^2c^2$ (iii) $22b^2c^2$ (iv) $18b^2c^2$ (v) $23b^2c^2$

10. The value of $(-7klm) + (-4klm)$ is

    (i) $(-9klm)$ (ii) $(-14klm)$ (iii) $(-12klm)$ (iv) $(-11klm)$ (v) $(-10klm)$

11. The value of $2w^3x^3y^3 + 7w^3x^3y^3 + (-2w^3x^3y^3) + (-6w^3x^3y^3)$ is

    (i) 0 (ii) $3w^3x^3y^3$ (iii) $w^3x^3y^3$ (iv) $2w^3x^3y^3$ (v) $(-2w^3x^3y^3)$

12. The value of $(7t+8u+7) + (-6tu+9t+3)$ is

    (i) $(-6tu+18t+8u+10)$ (ii) $(-5tu+16t+8u+10)$ (iii) $(-6tu+14t+8u+10)$ (iv) $(-6tu+16t+8u+10)$

    (v) $(-7tu+16t+8u+10)$

13. The value of $(3p^2-8pq^2-5pq+9q)+(p^2-5pq^2-3p-q^2)$ is

(i) $(4p^2-13pq^2-5pq-3p-q^2+9q)$ (ii) $(4p^2-15pq^2-5pq-3p-q^2+9q)$

(iii) $(4p^2-10pq^2-5pq-3p-q^2+9q)$ (iv) $(5p^2-13pq^2-5pq-3p-q^2+9q)$

(v) $(3p^2-13pq^2-5pq-3p-q^2+9q)$

14. The value of $(-8ce-3c+7)+(-5cd+7c-4d)$ is

(i) $(-5cd-6ce+4c-4d+7)$ (ii) $(-6cd-8ce+4c-4d+7)$ (iii) $(-5cd-10ce+4c-4d+7)$

(iv) $(-5cd-8ce+4c-4d+7)$ (v) $(-4cd-8ce+4c-4d+7)$

15. The value of $(-8a^2b-9ac-bc^2)+(-8a^2c+8ac+6bc)+(-5a^2b^2c^2-7a^2bc^2-9a)$ is

(i) $(-5a^2b^2c^2-9a^2bc^2-8a^2b-8a^2c-ac-9a-bc^2+6bc)$

(ii) $(-5a^2b^2c^2-5a^2bc^2-8a^2b-8a^2c-ac-9a-bc^2+6bc)$

(iii) $(-5a^2b^2c^2-7a^2bc^2-8a^2b-8a^2c-ac-9a-bc^2+6bc)$

(iv) $(-6a^2b^2c^2-7a^2bc^2-8a^2b-8a^2c-ac-9a-bc^2+6bc)$

(v) $(-4a^2b^2c^2-7a^2bc^2-8a^2b-8a^2c-ac-9a-bc^2+6bc)$

16. The value of $\frac{2}{5}xy+\frac{2}{5}xy$ is

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

17. The value of $\frac{1}{3}u^2v^2+\frac{1}{2}u^2v^2+\frac{3}{4}u^2v^2+\frac{2}{3}u^2v^2$ is

(i) $\frac{13}{6}u^2v^2$ (ii) $\frac{11}{4}u^2v^2$ (iii) $\frac{7}{4}u^2v^2$ (iv) $\frac{9}{4}u^2v^2$ (v) $\frac{5}{2}u^2v^2$

18. The value of $\frac{2}{5}wxy+\frac{1}{2}wxy$ is

(i) $\frac{3}{4}wxy$ (ii) $\frac{9}{8}wxy$ (iii) $\frac{7}{10}wxy$ (iv) $\frac{9}{10}wxy$ (v) $\frac{11}{10}wxy$

19. The value of $\frac{2}{5}w^3x^3y^3+\frac{1}{2}w^3x^3y^3+\frac{1}{2}w^3x^3y^3+\frac{1}{3}w^3x^3y^3$ is

(i) $\frac{24}{13}w^3x^3y^3$ (ii) $\frac{8}{5}w^3x^3y^3$ (iii) $\frac{28}{17}w^3x^3y^3$ (iv) $\frac{28}{15}w^3x^3y^3$ (v) $\frac{26}{15}w^3x^3y^3$

20. The value of $7uv-2uv$ is

(i) $4uv$ (ii) $8uv$ (iii) $6uv$ (iv) $5uv$ (v) $3uv$

21. The value of $(-5wx)-8wx-(-2wx)-(-7wx)$ is

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

22. The value of $(-6k^2l^2m^2)-(-5k^2l^2m^2)$ is

(i) $(-3k^2l^2m^2)$ (ii) $(-k^2l^2m^2)$ (iii) $2k^2l^2m^2$ (iv) $(-2k^2l^2m^2)$ (v) 0

23. The value of $8j^2k^2l^2-(-j^2k^2l^2)-8j^2k^2l^2-(-4j^2k^2l^2)$ is

(i) $4j^2k^2l^2$ (ii) $2j^2k^2l^2$ (iii) $5j^2k^2l^2$ (iv) $8j^2k^2l^2$ (v) $6j^2k^2l^2$

24. The value of $(9kl+3k-5l)-(-9kl-4l-7)$ is

(i) $(18kl+6k-l+7)$ (ii) $(17kl+3k-l+7)$ (iii) $(19kl+3k-l+7)$ (iv) $(18kl+3k-l+7)$ (v) $(18kl-l+7)$

25. The value of $(-4c^2d^2+4c^2d-4cd-2d^2)-(cd^2-9d^2-9d-7)$ is

(i) $(-4c^2d^2+4c^2d-cd^2-4cd+7d^2+9d+7)$ (ii) $(-5c^2d^2+4c^2d-cd^2-4cd+7d^2+9d+7)$

(iii) $(-3c^2d^2+4c^2d-cd^2-4cd+7d^2+9d+7)$ (iv) $(-4c^2d^2+c^2d-cd^2-4cd+7d^2+9d+7)$

(v) $(-4c^2d^2+6c^2d-cd^2-4cd+7d^2+9d+7)$

26. The value of $(-8jkl+9jk+2k)-(-9jl+3k+8)$ is

(i) $(-9jkl+9jk+9jl-k-8)$ (ii) $(-8jkl+11jk+9jl-k-8)$ (iii) $(-7jkl+9jk+9jl-k-8)$

(iv) $(-8jkl+7jk+9jl-k-8)$ (v) $(-8jkl+9jk+9jl-k-8)$

27. The value of $(2k^2l^2+8k^2l+9k^2)-(8j^2kl+4j^2l+jk^2l)-(-4j^2k^2l^2-8jl-6l)$ is

(i) $(4j^2k^2l^2-11j^2kl-4j^2l-jk^2l+8jl+2k^2l^2+8k^2l+9k^2+6l)$

(ii) $(4j^2k^2l^2-6j^2kl-4j^2l-jk^2l+8jl+2k^2l^2+8k^2l+9k^2+6l)$

(iii) $(4j^2k^2l^2-8j^2kl-4j^2l-jk^2l+8jl+2k^2l^2+8k^2l+9k^2+6l)$

(iv) $(5j^2k^2l^2-8j^2kl-4j^2l-jk^2l+8jl+2k^2l^2+8k^2l+9k^2+6l)$

(v) $(3j^2k^2l^2-8j^2kl-4j^2l-jk^2l+8jl+2k^2l^2+8k^2l+9k^2+6l)$

28. The value of $\frac{2}{5}lm-\frac{4}{5}lm$ is

(i) 0 (ii) $(-\frac{2}{5}lm)$ (iii) $(-\frac{2}{7}lm)$ (iv) $(-\frac{2}{3}lm)$ (v) $(-\frac{4}{5}lm)$

29. The value of $\frac{4}{5}kl-\frac{1}{2}kl-\frac{1}{3}kl-\frac{1}{2}kl$ is

(i) $(-\frac{8}{13}kl)$ (ii) $(-\frac{2}{5}kl)$ (iii) $(-\frac{2}{3}kl)$ (iv) $(-\frac{8}{17}kl)$ (v) $(-\frac{8}{15}kl)$

30. The value of $\frac{4}{5}i^2j^2k^2-\frac{3}{4}i^2j^2k^2$ is

(i) $\frac{1}{22}i^2j^2k^2$ (ii) $\frac{1}{20}i^2j^2k^2$ (iii) $\frac{1}{18}i^2j^2k^2$ (iv) $\frac{3}{20}i^2j^2k^2$ (v) $(-\frac{1}{20}i^2j^2k^2)$

31. The value of $\frac{1}{2}e^2f^2g^2 - \frac{1}{3}e^2f^2g^2 - \frac{3}{4}e^2f^2g^2 - \frac{1}{4}e^2f^2g^2$ is

(i) $(-\frac{7}{6}e^2f^2g^2)$ (ii) $(-\frac{5}{8}e^2f^2g^2)$ (iii) $(-\frac{1}{2}e^2f^2g^2)$ (iv) $(-\frac{5}{6}e^2f^2g^2)$ (v) $(-\frac{5}{4}e^2f^2g^2)$

Assignment Key

1) (iv)	2) (ii)	3) (v)	4) (iv)	5) (iii)	6) (i)
7) (iii)	8) (iv)	9) (ii)	10) (iv)	11) (iii)	12) (iv)
13) (i)	14) (iv)	15) (iii)	16) (v)	17) (iv)	18) (iv)
19) (v)	20) (iv)	21) (v)	22) (ii)	23) (iii)	24) (iv)
25) (i)	26) (v)	27) (iii)	28) (ii)	29) (v)	30) (ii)
31) (iv)					

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