

EduSahara™ Learning Center Assignment**Grade : Class VIII, SSC****Chapter : Algebraic Expressions****Name : Polynomial Addition and Subtraction****Licensed To : Teachers and Students for non-commercial use**

The sum of the terms

1. $7v, 6, 1, (-9), (-7v)$ is
- (i) (-5) (ii) (-2) (iii) (-3) (iv) 0 (v) (-1)
-

The sum of the terms

2. $2, (-st), 3s, (-8t), 6$ is
- (i) $(-st + 6s - 8t + 8)$
- (ii) $(-st + s - 8t + 8)$
- (iii) $(-2st + 3s - 8t + 8)$
- (iv) $(3s - 8t + 8)$
- (v) $(-st + 3s - 8t + 8)$
-

The sum of the terms

3. $9hij, (-7), (-h), (-2h), (-6)$ is
- (i) $(9hij - 3h - 13)$ (ii) $(9hij - 13)$
- (iii) $(9hij - 5h - 13)$ (iv) $(8hij - 3h - 13)$
- (v) $(10hij - 3h - 13)$
-

The sum of the expressions

4. $(-16s + 2), (4s + 2), (2s - 9), (-9s + 17), (-7s + 1)$ is
- (i) $(-26s + 10)$ (ii) $(-26s + 15)$
- (iii) $(-26s + 13)$ (iv) $(-25s + 13)$
-

(v) $(-27s + 13)$

The sum of the expressions

5. $(7mn - n), (6m + 3), (2m + 5), (5mn - 6n), (2m + 3)$ is

(i) $(12mn + 10m - 7n + 11)$

(ii) $(12mn + 12m - 7n + 11)$

(iii) $(11mn + 10m - 7n + 11)$

(iv) $(12mn + 8m - 7n + 11)$

(v) $(13mn + 10m - 7n + 11)$

The sum of the expressions

6. $(-8w + 8), (-8w - 3), (4w + 1), (-8w - 1), (-6w - 4)$ is

(i) $(-27w + 1)$ (ii) $(-25w + 1)$

(iii) $(-26w + 1)$ (iv) $(-26w + 3)$

(v) $(-26w - 2)$

The sum of the expressions

7. $(7gh - 7g - 2), (-6gh + 9g + 1), (-7g + 5h + 5),$
 $(-6g + 7h - 4), (2gh + 7g + 4h)$ is

(i) $(3gh - g + 16h)$ (ii) $(3gh - 4g + 16h)$

(iii) $(2gh - 4g + 16h)$ (iv) $(3gh - 6g + 16h)$

(v) $(4gh - 4g + 16h)$

The value of

8. $5de + 7de$ is

(i) $11de$ (ii) $13de$ (iii) $14de$

(iv) $12de$ (v) $10de$

The value of

9. $(-5g^2h^2) + 4g^2h^2 + (-6g^2h^2) + 2g^2h^2$ is

(i) $(-7g^2h^2)$ (ii) $(-5g^2h^2)$ (iii) $(-3g^2h^2)$

(iv) $(-6g^2h^2)$ (v) $(-4g^2h^2)$

The value of

10. $6cde + (-cde)$ is

(i) $5cde$ (ii) $4cde$ (iii) $8cde$

(iv) $3cde$ (v) $6cde$

The value of

11. $(-5f^3g^3h^3) + (-4f^3g^3h^3) + (-9f^3g^3h^3) + 2f^3g^3h^3$ is

(i) $(-15f^3g^3h^3)$ (ii) $(-19f^3g^3h^3)$ (iii) $(-17f^3g^3h^3)$

(iv) $(-16f^3g^3h^3)$ (v) $(-14f^3g^3h^3)$

The value of

12. $(6bc + 3b + 2c) + (bc - 4b - 4)$ is

(i) $(7bc - 4b + 2c - 4)$

(ii) $(8bc - b + 2c - 4)$

(iii) $(7bc - b + 2c - 4)$

(iv) $(7bc + b + 2c - 4)$

(v) $(6bc - b + 2c - 4)$

The value of

13. $(8s^2t - 5st^2 - 5t + 4) + (-7st - 3s + 7t^2 - 6t)$ is

(i) $(8s^2t - 3st^2 - 7st - 3s + 7t^2 - 11t + 4)$

(ii) $(8s^2t - 5st^2 - 7st - 3s + 7t^2 - 11t + 4)$

(iii) $(9s^2t - 5st^2 - 7st - 3s + 7t^2 - 11t + 4)$

(iv) $(8s^2t - 7st^2 - 7st - 3s + 7t^2 - 11t + 4)$

(v) $(7s^2t - 5st^2 - 7st - 3s + 7t^2 - 11t + 4)$

The value of

14. $(8n + 5p - 5) + (-3no - np + 7p)$ is

(i) $(-2no - np + 8n + 12p - 5)$

(ii) $(-3no - np + 8n + 12p - 5)$

(iii) $(-3no + 2np + 8n + 12p - 5)$

(iv) $(-3no - 3np + 8n + 12p - 5)$

(v) $(-4no - np + 8n + 12p - 5)$

The value of

15. $(6g^2h^2i - g^2i^2 + 4gi) + (-5g^2i^2 + 9gh^2 - 2i^2) + (-h^2 + 6h + 5i)$ is

(i) $(5g^2h^2i - 6g^2i^2 + 9gh^2 + 4gi - h^2 + 6h - 2i^2 + 5i)$

(ii) $(6g^2h^2i - 4g^2i^2 + 9gh^2 + 4gi - h^2 + 6h - 2i^2 + 5i)$

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

(iv) $(6g^2h^2i - 6g^2i^2 + 9gh^2 + 4gi - h^2 + 6h - 2i^2 + 5i)$

(v) $(6g^2h^2i - 9g^2i^2 + 9gh^2 + 4gi - h^2 + 6h - 2i^2 + 5i)$

16. The value of $\frac{1}{5}fg + \frac{1}{2}fg$ is

- (i) $\frac{7}{10}fg$ (ii) $\frac{7}{8}fg$ (iii) $\frac{7}{12}fg$
 (iv) $\frac{1}{2}fg$ (v) $\frac{9}{10}fg$
-

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

- (i) $3v^2w^2$ (ii) v^2w^2 (iii) $5v^2w^2$
 (iv) $2v^2w^2$ (v) 0
-

18. The value of $\frac{1}{3}hij + \frac{2}{3}hij$ is

- (i) $(-hij)$ (ii) hij (iii) 0
 (iv) $3hij$ (v) $2hij$
-

19. The value of $\frac{2}{5}b^3c^3d^3 + \frac{2}{5}b^3c^3d^3 + \frac{3}{4}b^3c^3d^3 + \frac{3}{4}b^3c^3d^3$ is

- (i) $\frac{9}{4}b^3c^3d^3$ (ii) $\frac{5}{2}b^3c^3d^3$ (iii) $\frac{21}{10}b^3c^3d^3$
 (iv) $\frac{23}{10}b^3c^3d^3$ (v) $\frac{19}{8}b^3c^3d^3$
-

The value of
 20. $(-5ab) - (-6ab)$ is

- (i) $(-2ab)$ (ii) 0 (iii) $4ab$
 (iv) ab (v) $2ab$
-

The value of
 21. $(-4hi) - 8hi - (-6hi) - 8hi$ is

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

The value of

22. $a^2 b^2 c^2 - a^2 b^2 c^2$ is

(i) 1 (ii) 0 (iii) (-1)

(iv) 3 (v) (-2)

The value of

23. $9l^2 m^2 n^2 - 8l^2 m^2 n^2 - (-9l^2 m^2 n^2) - (-5l^2 m^2 n^2)$ is

(i) $16l^2 m^2 n^2$ (ii) $14l^2 m^2 n^2$ (iii) $13l^2 m^2 n^2$

(iv) $15l^2 m^2 n^2$ (v) $17l^2 m^2 n^2$

The value of

24. $(2fg + 5f + 8g) - (f - 4g - 10)$ is

(i) $(2fg + f + 12g + 10)$

(ii) $(3fg + 4f + 12g + 10)$

(iii) $(2fg + 4f + 12g + 10)$

(iv) $(2fg + 6f + 12g + 10)$

(v) $(fg + 4f + 12g + 10)$

The value of

25. $(5t^2 u^2 - 3t^2 - 7u - 2) - (-7t^2 u^2 + 4t - u^2 + 8u)$ is

(i) $(11t^2 u^2 - 3t^2 - 4t + u^2 - 15u - 2)$

(ii) $(12t^2 u^2 - 3t^2 - 4t + u^2 - 15u - 2)$

(iii) $(13t^2 u^2 - 3t^2 - 4t + u^2 - 15u - 2)$

(iv) $(12t^2 u^2 - t^2 - 4t + u^2 - 15u - 2)$

$$(v) \ (12t^2u^2 - 5t^2 - 4t + u^2 - 15u - 2)$$

The value of

26. $(2def - 8df + 3d) - (7def - 5ef + 5e)$ is

(i) $(-4def - 8df + 3d + 5ef - 5e)$

(ii) $(-5def - 5df + 3d + 5ef - 5e)$

(iii) $(-5def - 8df + 3d + 5ef - 5e)$

(iv) $(-6def - 8df + 3d + 5ef - 5e)$

(v) $(-5def - 11df + 3d + 5ef - 5e)$

The value of

27. $(-6o^2q^2 - op^2q - 3pq^2) - (-2o^2pq - 8p^2q - 4pq) - (-6o^2p^2q + p + 8$

(i) $(6o^2p^2q - 6o^2q^2 - op^2q + 8p^2q - 3pq^2 + 4pq - p - 8q)$

(ii) $(6o^2p^2q + 2o^2pq - 6o^2q^2 - op^2q + 8p^2q - 3pq^2 + 4pq - p - 8q)$

(iii) $(5o^2p^2q + 2o^2pq - 6o^2q^2 - op^2q + 8p^2q - 3pq^2 + 4pq - p - 8q)$

(iv) $(7o^2p^2q + 2o^2pq - 6o^2q^2 - op^2q + 8p^2q - 3pq^2 + 4pq - p - 8q)$

(v) $(6o^2p^2q + 4o^2pq - 6o^2q^2 - op^2q + 8p^2q - 3pq^2 + 4pq - p - 8q)$

28. The value of $\frac{1}{3}op - \frac{4}{5}op$ is

(i) $(-\frac{3}{5}op)$ (ii) $(-\frac{7}{17}op)$ (iii) $(-\frac{7}{13}op)$

(iv) $(-\frac{7}{15}op)$ (v) $(-\frac{1}{3}op)$

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

- (i) $(-\frac{37}{60}tu)$ (ii) $(-\frac{37}{62}tu)$ (iii) $(-\frac{13}{20}tu)$
(iv) $(-\frac{7}{12}tu)$ (v) $(-\frac{37}{58}tu)$
-

30. The value of $\frac{1}{3}t^2u^2v^2 - \frac{4}{5}t^2u^2v^2$ is

- (i) $(-\frac{7}{15}t^2u^2v^2)$ (ii) $(-\frac{7}{13}t^2u^2v^2)$ (iii) $(-\frac{1}{3}t^2u^2v^2)$
(iv) $(-\frac{7}{17}t^2u^2v^2)$ (v) $(-\frac{3}{5}t^2u^2v^2)$
-

31. The value of $\frac{1}{2}t^2u^2v^2 - \frac{1}{2}t^2u^2v^2 - \frac{1}{3}t^2u^2v^2 - \frac{3}{5}t^2u^2v^2$ is

- (i) $(-\frac{14}{15}t^2u^2v^2)$ (ii) $(-\frac{4}{5}t^2u^2v^2)$ (iii) $(-\frac{14}{13}t^2u^2v^2)$
(iv) $(-\frac{16}{15}t^2u^2v^2)$ (v) $(-\frac{14}{17}t^2u^2v^2)$
-

Assignment Key

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