



- The sum of the terms $(-r), 8r, 8r, 9, 3r$ is
(i) $(18r+11)$ (ii) $(17r+9)$ (iii) $(18r+7)$ (iv) $(18r+9)$ (v) $(19r+9)$
- The sum of the terms $7, (-5), (-rs), 5s, (-8s)$ is
(i) $(-rs-3s+2)$ (ii) $(-2rs-3s+2)$ (iii) $(-rs-6s+2)$ (iv) $(-rs+2)$ (v) $(-3s+2)$
- The sum of the terms $(-5), 5q, 5op, 5op, (-8opq)$ is
(i) $(-7opq+10op+5q-5)$ (ii) $(-9opq+10op+5q-5)$ (iii) $(-8opq+13op+5q-5)$
(iv) $(-8opq+10op+5q-5)$ (v) $(-8opq+7op+5q-5)$
- The sum of the expressions $(-5j-7), (7j-4), (-5j+6), (5j+2), (-j+3)$ is
(i) j (ii) 0 (iii) $(-2j)$ (iv) $4j$ (v) $2j$
- The sum of the expressions $(8q+1), (8qr-3q), (8qr+8q), (-7qr+6r), (8q-6)$ is
(i) $(8qr+21q+6r-5)$ (ii) $(9qr+21q+6r-5)$ (iii) $(9qr+23q+6r-5)$ (iv) $(9qr+18q+6r-5)$
(v) $(10qr+21q+6r-5)$
- The sum of the expressions $(4e-8), (4e+1), (3e+3), (9e-5), (-8e-1)$ is
(i) $(12e-7)$ (ii) $(13e-10)$ (iii) $(11e-10)$ (iv) $(12e-10)$ (v) $(12e-12)$
- The sum of the expressions $(6st-8s-7t), (13st+4s+t), (s-2t-5), (-2st+9t+4), (7st+8t+2)$ is
(i) $(23st-3s+9t+1)$ (ii) $(24st-3s+9t+1)$ (iii) $(25st-3s+9t+1)$ (iv) $(24st-5s+9t+1)$
(v) $(24st-s+9t+1)$
- The value of $(-6hi) + 3hi$ is
(i) $(-6hi)$ (ii) $(-2hi)$ (iii) $(-4hi)$ (iv) $(-hi)$ (v) $(-3hi)$
- The value of $5x^2y^2 + 9x^2y^2 + x^2y^2 + 8x^2y^2$ is
(i) $25x^2y^2$ (ii) $23x^2y^2$ (iii) $24x^2y^2$ (iv) $21x^2y^2$ (v) $22x^2y^2$
- The value of $(-8/mn) + (-8/mn)$ is
(i) $(-18/mn)$ (ii) $(-17/mn)$ (iii) $(-15/mn)$ (iv) $(-14/mn)$ (v) $(-16/mn)$
- The value of $8e^3f^3g^3 + (-3e^3f^3g^3) + 5e^3f^3g^3 + 8e^3f^3g^3$ is
(i) $18e^3f^3g^3$ (ii) $19e^3f^3g^3$ (iii) $21e^3f^3g^3$ (iv) $16e^3f^3g^3$ (v) $17e^3f^3g^3$
- The value of $(-gh+2g-6h) + (5gh-6g-5)$ is
(i) $(4gh-2g-6h-5)$ (ii) $(4gh-6g-6h-5)$ (iii) $(3gh-4g-6h-5)$ (iv) $(5gh-4g-6h-5)$
(v) $(4gh-4g-6h-5)$

13. The value of $(5c^2d^2 - 4c^2 - 6c + d^2) + (4c^2d^2 - 9cd^2 - cd + 5c)$ is

(i) $(8c^2d^2 - 4c^2 - 9cd^2 - cd - c + d^2)$ (ii) $(10c^2d^2 - 4c^2 - 9cd^2 - cd - c + d^2)$

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

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

14. The value of $(uvw + u - 1) + (-5uv - 5uw + 2)$ is

(i) $(2uvw - 5uv - 5uw + u + 1)$ (ii) $(-5uv - 5uw + u + 1)$ (iii) $(uvw - 5uv - 5uw + u + 1)$

(iv) $(uvw - 8uv - 5uw + u + 1)$ (v) $(uvw - 2uv - 5uw + u + 1)$

15. The value of $(3c^2de^2 - 3ce + 9c) + (-2c^2d^2e^2 - 3c^2 - 3c) + (-5c^2d^2 - 9c^2de^2 + 9cd^2e)$ is

(i) $(-3c^2d^2e^2 - 5c^2d^2 - 6c^2de^2 - 3c^2 + 9cd^2e - 3ce + 6c)$

(ii) $(-c^2d^2e^2 - 5c^2d^2 - 6c^2de^2 - 3c^2 + 9cd^2e - 3ce + 6c)$

(iii) $(-2c^2d^2e^2 - 7c^2d^2 - 6c^2de^2 - 3c^2 + 9cd^2e - 3ce + 6c)$

(iv) $(-2c^2d^2e^2 - 3c^2d^2 - 6c^2de^2 - 3c^2 + 9cd^2e - 3ce + 6c)$

(v) $(-2c^2d^2e^2 - 5c^2d^2 - 6c^2de^2 - 3c^2 + 9cd^2e - 3ce + 6c)$

16. The value of $\frac{1}{3}hi + \frac{2}{5}hi$ is

(i) $\frac{11}{15}hi$ (ii) $\frac{13}{15}hi$ (iii) $\frac{3}{5}hi$ (iv) $\frac{11}{17}hi$ (v) $\frac{11}{13}hi$

17. The value of $\frac{3}{5}m^2n^2 + \frac{1}{2}m^2n^2 + \frac{3}{4}m^2n^2 + \frac{1}{2}m^2n^2$ is

(i) $\frac{49}{20}m^2n^2$ (ii) $\frac{43}{18}m^2n^2$ (iii) $\frac{9}{4}m^2n^2$ (iv) $\frac{47}{20}m^2n^2$ (v) $\frac{51}{22}m^2n^2$

18. The value of $\frac{1}{3}opq + \frac{2}{5}opq$ is

(i) $\frac{11}{13}opq$ (ii) $\frac{3}{5}opq$ (iii) $\frac{13}{15}opq$ (iv) $\frac{11}{15}opq$ (v) $\frac{11}{17}opq$

19. The value of $\frac{4}{5}m^3n^3o^3 + \frac{1}{2}m^3n^3o^3 + \frac{1}{2}m^3n^3o^3 + \frac{1}{3}m^3n^3o^3$ is

(i) $\frac{34}{15}m^3n^3o^3$ (ii) $\frac{28}{13}m^3n^3o^3$ (iii) $\frac{32}{15}m^3n^3o^3$ (iv) $2m^3n^3o^3$ (v) $\frac{36}{17}m^3n^3o^3$

20. The value of $(-3kl) - 3kl$ is

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

21. The value of $(-ef) - 7ef - (-6ef) - (-2ef)$ is

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

22. The value of $m^2n^2o^2 - (-m^2n^2o^2)$ is

- (i) $5m^2n^2o^2$ (ii) $3m^2n^2o^2$ (iii) $m^2n^2o^2$ (iv) $2m^2n^2o^2$ (v) $(-m^2n^2o^2)$

23. The value of $3p^2q^2r^2 - 4p^2q^2r^2 - (-p^2q^2r^2) - 9p^2q^2r^2$ is

- (i) $(-7p^2q^2r^2)$ (ii) $(-10p^2q^2r^2)$ (iii) $(-9p^2q^2r^2)$ (iv) $(-11p^2q^2r^2)$ (v) $(-8p^2q^2r^2)$

24. The value of $(-st+4s-6t) - (6st+4t+3)$ is

- (i) $(-6st+4s-10t-3)$ (ii) $(-8st+4s-10t-3)$ (iii) $(-7st+s-10t-3)$ (iv) $(-7st+4s-10t-3)$
(v) $(-7st+6s-10t-3)$

25. The value of $(5n^2o^2+3n-7o^2+4) - (2n^2o^2+n^2-5o^2+2o)$ is

- (i) $(3n^2o^2-3n^2+3n-2o^2-2o+4)$ (ii) $(2n^2o^2-n^2+3n-2o^2-2o+4)$
(iii) $(4n^2o^2-n^2+3n-2o^2-2o+4)$ (iv) $(3n^2o^2+n^2+3n-2o^2-2o+4)$
(v) $(3n^2o^2-n^2+3n-2o^2-2o+4)$

26. The value of $(-5jk+9j+9k) - (-5i+4jk+7j)$ is

- (i) $(5i-9jk+2j+9k)$ (ii) $(4i-9jk+2j+9k)$ (iii) $(5i-11jk+2j+9k)$ (iv) $(6i-9jk+2j+9k)$
(v) $(5i-6jk+2j+9k)$

27. The value of $(-4q^2r+7qrs^2-3rs^2) - (2qr^2-3qr+5q) - (8q^2r^2s^2-5q^2r^2+7q^2rs)$ is

- (i) $(-9q^2r^2s^2+5q^2r^2-7q^2rs-4q^2r-2qr^2+7qrs^2+3qr-5q-3rs^2)$
(ii) $(-8q^2r^2s^2+2q^2r^2-7q^2rs-4q^2r-2qr^2+7qrs^2+3qr-5q-3rs^2)$
(iii) $(-8q^2r^2s^2+8q^2r^2-7q^2rs-4q^2r-2qr^2+7qrs^2+3qr-5q-3rs^2)$
(iv) $(-7q^2r^2s^2+5q^2r^2-7q^2rs-4q^2r-2qr^2+7qrs^2+3qr-5q-3rs^2)$
(v) $(-8q^2r^2s^2+5q^2r^2-7q^2rs-4q^2r-2qr^2+7qrs^2+3qr-5q-3rs^2)$

28. The value of $\frac{1}{4}rs - \frac{2}{3}rs$ is

- (i) $(-\frac{5}{14}rs)$ (ii) $(-\frac{5}{12}rs)$ (iii) $(-\frac{7}{12}rs)$ (iv) $(-\frac{1}{4}rs)$ (v) $(-\frac{1}{2}rs)$

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

- (i) $(-\frac{1}{2}ab)$ (ii) $(-\frac{9}{20}ab)$ (iii) $(-\frac{11}{20}ab)$ (iv) $(-\frac{13}{20}ab)$ (v) $(-\frac{11}{18}ab)$

30. The value of $\frac{2}{3}c^2d^2e^2 - \frac{2}{3}c^2d^2e^2$ is

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

31. The value of $\frac{1}{2}q^2r^2s^2 - \frac{1}{2}q^2r^2s^2 - \frac{4}{5}q^2r^2s^2 - \frac{2}{3}q^2r^2s^2$ is

- (i) $(-\frac{4}{3}q^2r^2s^2)$ (ii) $(-\frac{22}{15}q^2r^2s^2)$ (iii) $(-\frac{22}{13}q^2r^2s^2)$ (iv) $(-\frac{8}{5}q^2r^2s^2)$ (v) $(-\frac{22}{17}q^2r^2s^2)$

Assignment Key

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