



1. The sum of the terms $(-b), (-8b), 2b, 8, (-5)$ is
(i) $(-7b+5)$ (ii) $(-7b)$ (iii) $(-7b+3)$ (iv) $(-6b+3)$ (v) $(-8b+3)$
2. The sum of the terms $(-8h), (-7hi), (-4i), 2, (-4i)$ is
(i) $(-7hi-10h-8i+2)$ (ii) $(-7hi-5h-8i+2)$ (iii) $(-7hi-8h-8i+2)$ (iv) $(-8hi-8h-8i+2)$
(v) $(-6hi-8h-8i+2)$
3. The sum of the terms $3de, (-7e), (-2), 5f, 8df$ is
(i) $(4de+8df-7e+5f-2)$ (ii) $(2de+8df-7e+5f-2)$ (iii) $(3de+8df-7e+5f-2)$
(iv) $(3de+10df-7e+5f-2)$ (v) $(3de+5df-7e+5f-2)$
4. The sum of the expressions $(-9d-6), (9d+5), (9d+9), (-5d+4), (8d-9)$ is
(i) $(12d+6)$ (ii) $(11d+3)$ (iii) $(12d+3)$ (iv) $(13d+3)$ (v) $(12d+1)$
5. The sum of the expressions $(5j+3), (-5ij-6), (8ij-6), (-6ij+8i), (i-4j)$ is
(i) $(-2ij+9i+j-9)$ (ii) $(-3ij+9i+j-9)$ (iii) $(-3ij+6i+j-9)$ (iv) $(-4ij+9i+j-9)$ (v) $(-3ij+11i+j-9)$
6. The sum of the expressions $(-5f+14), (7f+9), (3f+6), (2f-2), (f-1)$ is
(i) $(8f+23)$ (ii) $(9f+26)$ (iii) $(8f+26)$ (iv) $(8f+29)$ (v) $(7f+26)$
7. The sum of the expressions $(-7lm+10m-3), (9lm-3m-7), (3lm+8l-m), (3lm-7l+22), (2l-9m+5)$ is
(i) $(9lm+3l-3m+17)$ (ii) $(8lm+l-3m+17)$ (iii) $(8lm+6l-3m+17)$ (iv) $(8lm+3l-3m+17)$
(v) $(7lm+3l-3m+17)$
8. The value of $(-7kl) + (-5kl)$ is
(i) $(-13kl)$ (ii) $(-11kl)$ (iii) $(-14kl)$ (iv) $(-12kl)$ (v) $(-10kl)$
9. The value of $(-c^2d^2) + 5c^2d^2 + (-c^2d^2) + 2c^2d^2$ is
(i) $8c^2d^2$ (ii) $2c^2d^2$ (iii) $6c^2d^2$ (iv) $5c^2d^2$ (v) $4c^2d^2$
10. The value of $5ijk + 8ijk$ is
(i) $11ijk$ (ii) $12ijk$ (iii) $14ijk$ (iv) $13ijk$ (v) $15ijk$
11. The value of $4g^3h^3i^3 + (-3g^3h^3i^3) + 7g^3h^3i^3 + 4g^3h^3i^3$ is
(i) $13g^3h^3i^3$ (ii) $9g^3h^3i^3$ (iii) $15g^3h^3i^3$ (iv) $12g^3h^3i^3$ (v) $11g^3h^3i^3$
12. The value of $(2st+2s-t) + (9st-12s-2t)$ is
(i) $(11st-10s-3t)$ (ii) $(10st-10s-3t)$ (iii) $(11st-7s-3t)$ (iv) $(11st-13s-3t)$ (v) $(12st-10s-3t)$

13. The value of $(2ce - 5d - 1) + (-8cde + 8cd + 5ce)$ is

- (i) $(-9cde + 8cd + 7ce - 5d - 1)$ (ii) $(-8cde + 11cd + 7ce - 5d - 1)$ (iii) $(-8cde + 6cd + 7ce - 5d - 1)$
(iv) $(-8cde + 8cd + 7ce - 5d - 1)$ (v) $(-7cde + 8cd + 7ce - 5d - 1)$

14. The value of $\frac{4}{5}mn + \frac{3}{5}mn$ is

- (i) $\frac{7}{3}mn$ (ii) $\frac{7}{5}mn$ (iii) $\frac{9}{5}mn$ (iv) mn

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

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

16. The value of $6ef - 9ef$ is

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

17. The value of $2de - (-de) - (-de) - (-6de)$ is

- (i) $12de$ (ii) $7de$ (iii) $11de$ (iv) $9de$ (v) $10de$

18. The value of $8s^2t^2u^2 - 9s^2t^2u^2$ is

- (i) $(-s^2t^2u^2)$ (ii) $(-4s^2t^2u^2)$ (iii) $(-2s^2t^2u^2)$ (iv) $2s^2t^2u^2$ (v) 0

19. The value of $(3op + 3p + 3) - (-4op - 9p + 9)$ is

- (i) $(7op + 10p - 6)$ (ii) $(7op + 12p - 6)$ (iii) $(6op + 12p - 6)$ (iv) $(8op + 12p - 6)$ (v) $(7op + 14p - 6)$

20. The value of $(-6/m - 3/n - 6) - (-8/m + 7/n - 2mn)$ is

- (i) $(3/m - 10/n + 2mn - 6)$ (ii) $(/m - 10/n + 2mn - 6)$ (iii) $(2/m - 13/n + 2mn - 6)$ (iv) $(2/m - 8/n + 2mn - 6)$
(v) $(2/m - 10/n + 2mn - 6)$

21. The value of $\frac{2}{3}pq - \frac{4}{5}pq$ is

- (i) $(-\frac{2}{15}pq)$ (ii) $(-\frac{4}{15}pq)$ (iii) $(-\frac{2}{13}pq)$ (iv) $(-\frac{2}{17}pq)$ (v) 0

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

- (i) $(-\frac{13}{32}bc)$ (ii) $(-\frac{13}{28}bc)$ (iii) $(-\frac{13}{30}bc)$ (iv) $(-\frac{1}{2}bc)$ (v) $(-\frac{11}{30}bc)$

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

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

24. The value of $2g + 7g$ is

- (i) $10g$ (ii) $7g$ (iii) $11g$ (iv) $8g$ (v) $9g$

25. The value of $(-3c) + (-4c) + (-4c) + 2c$ is

- (i) $(-10c)$ (ii) $(-11c)$ (iii) $(-7c)$ (iv) $(-8c)$ (v) $(-9c)$

26. The value of $5p^2 + (-6p^2) + 5p^2$ is

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

27. The value of $2v^4 + 5v^4 + (-3v^4) + 7v^4$ is

- (i) $10v^4$ (ii) $14v^4$ (iii) $9v^4$ (iv) $12v^4$ (v) $11v^4$

28. The value of $(2k-8) + (2k-5)$ is

- (i) $(7k-13)$ (ii) $(2k-13)$ (iii) $(4k-13)$ (iv) $(3k-13)$ (v) $(5k-13)$

29. The value of $(-3f^2 + 8f - 8) + (-6f^2 + 3f + 4)$ is

- (i) $(-11f^2 + 11f - 4)$ (ii) $(-10f^2 + 11f - 4)$ (iii) $(-9f^2 + 11f - 4)$ (iv) $(-8f^2 + 11f - 4)$ (v) $(-6f^2 + 11f - 4)$

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

- (i) $(-4d^4 + 2d^3 + 13d + 5)$ (ii) $(2d^5 - 4d^4 + 2d^3 + 13d + 5)$ (iii) $(5d^5 - 4d^4 + 2d^3 + 13d + 5)$
(iv) $(d^5 - 4d^4 + 2d^3 + 13d + 5)$ (v) $(3d^5 - 4d^4 + 2d^3 + 13d + 5)$

31. The value of $\frac{1}{2}h + \frac{2}{5}h$ is

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

32. The value of $\frac{1}{3}p + \frac{1}{2}p + \frac{3}{5}p + \frac{1}{2}p$ is

- (i) $\frac{9}{5}p$ (ii) $\frac{29}{15}p$ (iii) $\frac{31}{17}p$ (iv) $\frac{31}{15}p$ (v) $\frac{27}{13}p$

33. The value of $\frac{2}{3}k^2 + \frac{2}{5}k^2 + \frac{3}{5}k^2$ is

- (i) $\frac{7}{5}k^2$ (ii) $\frac{7}{3}k^2$ (iii) $\frac{5}{3}k^2$ (iv) k^2 (v) $3k^2$

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

- (i) $\frac{9}{4}u^4$ (ii) $\frac{5}{2}u^4$ (iii) $\frac{33}{14}u^4$ (iv) $\frac{31}{12}u^4$ (v) $\frac{29}{12}u^4$

35. The value of $(-5d) - 2d$ is

- (i) $(-6d)$ (ii) $(-5d)$ (iii) $(-8d)$ (iv) $(-10d)$ (v) $(-7d)$

36. The value of $c^2 - 4c^2 - 9c^2$ is

- (i) $(-15c^2)$ (ii) $(-12c^2)$ (iii) $(-11c^2)$ (iv) $(-10c^2)$ (v) $(-13c^2)$

37. The value of $(-8r^3) - (-2r^3)$ is

- (i) $(-3r^3)$ (ii) $(-8r^3)$ (iii) $(-7r^3)$ (iv) $(-6r^3)$ (v) $(-5r^3)$

38. The value of $(-3a^5) - 8a^5 - 2a^5$ is

- (i) $(-12a^5)$ (ii) $(-13a^5)$ (iii) $(-10a^5)$ (iv) $(-15a^5)$ (v) $(-14a^5)$

39. The value of $(-5t-2) - (-7t-4)$ is

- (i) $(3t+2)$ (ii) $(2t+2)$ (iii) $(t+2)$ (iv) $(5t+2)$ (v) $(-t+2)$

40. The value of $(-3n^2+6n+6) - (8n^2+9n+9)$ is

- (i) $(-12n^2-3n-3)$ (ii) $(-14n^2-3n-3)$ (iii) $(-11n^2-3n-3)$ (iv) $(-10n^2-3n-3)$ (v) $(-9n^2-3n-3)$

41. The value of $(9a^5+7a^3+9) - (6a^5+9a^4-2a^3)$ is

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

42. The value of $\frac{1}{4}n - \frac{4}{5}n$ is

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

43. The value of $\frac{1}{2}x^2 - \frac{1}{2}x^2 - \frac{1}{5}x^2$ is

- (i) $(-\frac{1}{7}x^2)$ (ii) $(-\frac{1}{5}x^2)$ (iii) $(-\frac{3}{5}x^2)$ (iv) $(-\frac{1}{3}x^2)$ (v) $\frac{1}{5}x^2$

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

- (i) $(-\frac{3}{4}w^3)$ (ii) $(-\frac{1}{4}w^3)$ (iii) $(-\frac{1}{6}w^3)$ (iv) $\frac{1}{4}w^3$ (v) $(-\frac{1}{2}w^3)$

45. The value of $\frac{1}{2}z^5 - \frac{1}{2}z^5 - \frac{3}{4}z^5$ is

- (i) $(-\frac{1}{4}z^5)$ (ii) $(-\frac{3}{4}z^5)$ (iii) $(-\frac{1}{2}z^5)$ (iv) $(-\frac{5}{4}z^5)$ (v) $(-\frac{3}{2}z^5)$

Assignment Key

1) (iii)	2) (iii)	3) (iii)	4) (iii)	5) (ii)	6) (iii)
7) (iv)	8) (iv)	9) (iv)	10) (iv)	11) (iv)	12) (i)
13) (iv)	14) (ii)	15) (iii)	16) (v)	17) (v)	18) (i)
19) (ii)	20) (v)	21) (i)	22) (iii)	23) (iii)	24) (v)
25) (v)	26) (iv)	27) (v)	28) (iii)	29) (iii)	30) (ii)
31) (i)	32) (ii)	33) (iii)	34) (v)	35) (v)	36) (ii)
37) (iv)	38) (ii)	39) (ii)	40) (iii)	41) (iii)	42) (v)
43) (ii)	44) (ii)	45) (ii)			