EduSahara™ Assignment

Name : Addition and Subtraction of Algebraic Expressions

Chapter : Algebraic Expressions

Grade : CBSE Grade VII

1. The value of $(-i)+(-7i)$ is

   (i) $(-7i)$ (ii) $(-5i)$ (iii) $(-8i)$ (iv) $(-10i)$ (v) $(-9i)$

2. The value of $4f+3f+(-4f)+(-5f)$ is

   (i) $(-2f)$ (ii) $(-f)$ (iii) $(-4f)$ (iv) $(-3f)$ (v) 0

3. The value of $(-5t^2)+(-3t^2)+8t^2$ is

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

4. The value of $(-5k+1)+(8k-3)$ is

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

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

   (i) $(4e^2+4e)$ (ii) $(7e^2+4e)$ (iii) $(2e^2+4e)$ (iv) $(3e^2+4e)$ (v) $(5e^2+4e)$

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

   (i) $(7f^5+8f^4-14f^3+8f-2)$ (ii) $(4f^5+8f^4-14f^3+8f-2)$ (iii) $(8f^5+8f^4-14f^3+8f-2)$

   (iv) $(6f^5+8f^4-14f^3+8f-2)$ (v) $(10f^5+8f^4-14f^3+8f-2)$

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

   (i) $(12f^5-4f^4+8f^3+8f^2-4f-20)$ (ii) $(10f^5-4f^4+8f^3+8f^2-4f-20)$ (iii) $(8f^5-4f^4+8f^3+8f^2-4f-20)$

   (iv) $(11f^5-4f^4+8f^3+8f^2-4f-20)$ (v) $(13f^5-4f^4+8f^3+8f^2-4f-20)$

8. The value of $\frac{2}{3}c+\frac{1}{3}c$ is

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

9. The value of $\frac{1}{2}x+\frac{1}{2}x+\frac{2}{5}x+\frac{1}{2}x$ is

   (i) $\frac{7}{4}x$ (ii) $\frac{17}{8}x$ (iii) $\frac{21}{10}x$ (iv) $\frac{19}{10}x$ (v) $\frac{17}{10}x$

10. The value of $\frac{1}{2}a^2+\frac{1}{2}a^2+\frac{1}{3}a^2$ is

    (i) $2a^2$ (ii) $\frac{6}{5}a^2$ (iii) $\frac{4}{3}a^2$ (iv) $\frac{2}{3}a^2$

11. The value of $\frac{1}{4}t^4 + \frac{1}{5}t^4 + \frac{2}{3}t^4 + \frac{1}{4}t^4$ is

(i) $\frac{39}{28}t^4$ (ii) $\frac{13}{10}t^4$ (iii) $\frac{43}{32}t^4$ (iv) $\frac{41}{30}t^4$ (v) $\frac{43}{30}t^4$

12. The value of $8f - (-8f)$ is

(i) $16f$ (ii) $17f$ (iii) $14f$ (iv) $18f$ (v) $15f$

13. The value of $4j^2 - j^2 - (-4j^2)$ is

(i) $7j^2$ (ii) $8j^2$ (iii) $6j^2$ (iv) $4j^2$ (v) $10j^2$

14. The value of $7m^3 - 4m^3$ is

(i) $4m^3$ (ii) 0 (iii) $3m^3$ (iv) $6m^3$ (v) $2m^3$

15. The value of $(-7m^5) - (-6m^5) - m^5$ is

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

16. The value of $(4i+7) - (6i-8)$ is

(i) $(-5i+15)$ (ii) $(i+15)$ (iii) $(-3i+15)$ (iv) $(-2i+15)$ (v) $(-i+15)$

17. The value of $(-8i^2+9i-6) - (-4i^2+i+6)$ is

(i) $(-6i^2+8i-12)$ (ii) $(-4i^2+8i-12)$ (iii) $(-3i^2+8i-12)$ (iv) $(-5i^2+8i-12)$ (v) $(-2i^2+8i-12)$

18. The value of $(-8k^4-9k^2+8k) - (4k^5+7k^2+7)$ is

(i) $(-7k^5-8k^4-16k^2+8k-7)$ (ii) $(-5k^5-8k^4-16k^2+8k-7)$ (iii) $(-3k^5-8k^4-16k^2+8k-7)$

(iv) $(-k^5-8k^4-16k^2+8k-7)$ (v) $(-4k^5-8k^4-16k^2+8k-7)$

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

(i) $(13k^5-3k^3+9k^2-2k-6)$ (ii) $(17k^5-3k^3+9k^2-2k-6)$ (iii) $(15k^5-3k^3+9k^2-2k-6)$

(iv) $(11k^5-3k^3+9k^2-2k-6)$ (v) $(14k^5-3k^3+9k^2-2k-6)$

20. The value of $\frac{1}{2}j - \frac{1}{2}j$ is

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

21. The value of $\frac{1}{2}f^2 - \frac{1}{3}f^2 - \frac{1}{3}f^2$ is

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

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

(i) $\frac{3}{10}m^3$ (ii) $\frac{1}{10}m^3$ (iii) $\frac{1}{4}m^3$ (iv) $\frac{3}{8}m^3$ (v) $\frac{1}{2}m^3$

23. The value of $\frac{1}{3}s^5 - \frac{1}{4}s^5 - \frac{1}{4}s^5$ is

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

24. The sum of the terms $4, (-8), 3, (-7r), 6r$ is

(i) $(-r-3)$ (ii) $(-r+1)$ (iii) $(-r-1)$ (iv) (-1) (v) $(-2r-1)$

25. The sum of the terms $(-7hi), (-7hi), 5hi, 8, 5hi$ is

(i) $(-4hi+8)$ (ii) $(-3hi+8)$ (iii) $(-4hi+5)$ (iv) $(-4hi+11)$ (v) $(-5hi+8)$

26. The sum of the terms $(-2bc), (-4c), 5ab, (-9ac), 5c$ is

(i) $(5ab-6ac-2bc+c)$ (ii) $(5ab-9ac-2bc+c)$ (iii) $(4ab-9ac-2bc+c)$ (iv) $(6ab-9ac-2bc+c)$

(v) $(5ab-12ac-2bc+c)$

27. The sum of the expressions $(4t+6), (8t-8), (6t-6), (-2t-1), (-2t+7)$ is

(i) $(14t-5)$ (ii) $(15t-2)$ (iii) $(14t-2)$ (iv) $(13t-2)$ (v) $14t$

28. The sum of the expressions $(2cd-5), (-5cd+c), (8cd-d), (7d-6), (-2c+4)$ is

(i) $(5cd-3c+6d-7)$ (ii) $(4cd-c+6d-7)$ (iii) $(6cd-c+6d-7)$ (iv) $(5cd-c+6d-7)$

(v) $(5cd+c+6d-7)$

29. The sum of the expressions $(-3v+2), (-3v-8), (6v-2), (-3v+3), (9v+8)$ is

(i) $(5v+3)$ (ii) $(6v+5)$ (iii) $(7v+3)$ (iv) $6v$ (v) $(6v+3)$

30. The sum of the expressions $(8ef+5e+6), (7ef+4e+4f), (-3ef-5e+3f), (6e-9f+4), (3ef-5f-7)$ is

(i) $(15ef+12e-7f+3)$ (ii) $(16ef+10e-7f+3)$ (iii) $(14ef+10e-7f+3)$ (iv) $(15ef+10e-7f+3)$

(v) $(15ef+8e-7f+3)$

31. The value of $(-8gh) + 9gh$ is

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

32. The value of $t^2u^2 + 5t^2u^2 + (-6t^2u^2) + (-7t^2u^2)$ is

(i) $(-10t^2u^2)$ (ii) $(-6t^2u^2)$ (iii) $(-4t^2u^2)$ (iv) $(-8t^2u^2)$ (v) $(-7t^2u^2)$

33. The value of $(-9abc) + (-6abc)$ is

(i) $(-14abc)$ (ii) $(-17abc)$ (iii) $(-16abc)$ (iv) $(-13abc)$ (v) $(-15abc)$

34. The value of $9e^3f^3g^3 + 6e^3f^3g^3 + (-4e^3f^3g^3) + 4e^3f^3g^3$ is

(i) $13e^3f^3g^3$ (ii) $14e^3f^3g^3$ (iii) $15e^3f^3g^3$ (iv) $16e^3f^3g^3$ (v) $18e^3f^3g^3$

35. The value of $(2no-9o+9)+(4no+4n+3)$ is

(i) $(7no+4n-9o+12)$ (ii) $(5no+4n-9o+12)$ (iii) $(6no+2n-9o+12)$ (iv) $(6no+4n-9o+12)$ (v) $(6no+7n-9o+12)$

36. The value of $\frac{1}{2}ab+\frac{2}{3}ab$ is

(i) $\frac{7}{8}ab$ (ii) $\frac{7}{4}ab$ (iii) $\frac{3}{2}ab$ (iv) $\frac{7}{6}ab$ (v) $\frac{5}{6}ab$

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

(i) $\frac{29}{12}n^2o^2$ (ii) $\frac{139}{58}n^2o^2$ (iii) $\frac{47}{20}n^2o^2$ (iv) $\frac{143}{60}n^2o^2$ (v) $\frac{147}{62}n^2o^2$

38. The value of $\frac{1}{3}jkl+\frac{3}{4}jkl$ is

(i) $\frac{13}{14}jkl$ (ii) $\frac{13}{10}jkl$ (iii) $\frac{5}{4}jkl$ (iv) $\frac{11}{12}jkl$ (v) $\frac{13}{12}jkl$

39. The value of $(-9ij)-6ij$ is

(i) $(-15ij)$ (ii) $(-17ij)$ (iii) $(-14ij)$ (iv) $(-13ij)$ (v) $(-16ij)$

40. The value of $(-5kl)-(-9kl)-(-9kl)-9kl$ is

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

41. The value of $(-7j^2k^2l^2)-6j^2k^2l^2$ is

(i) $(-14j^2k^2l^2)$ (ii) $(-11j^2k^2l^2)$ (iii) $(-13j^2k^2l^2)$ (iv) $(-12j^2k^2l^2)$ (v) $(-15j^2k^2l^2)$

42. The value of $(-2q-3r+2)-(-3qr-7q+4)$ is

(i) $(4qr+5q-3r-2)$ (ii) $(3qr+8q-3r-2)$ (iii) $(3qr+5q-3r-2)$ (iv) $(2qr+5q-3r-2)$ (v) $(3qr+3q-3r-2)$

43. The value of $\frac{2}{3}st-\frac{4}{5}st$ is

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

44. The value of $\frac{3}{5}pq-\frac{1}{5}pq-\frac{2}{3}pq-\frac{2}{5}pq$ is

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

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

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

Assignment Key

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