

EduSahara™ Learning Center Assignment

Grade : Class VII, SSC
Chapter : Algebraic Expressions
Name : Addition and Subtraction of Algebraic Expressions
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1. The value of $(-4p) + (-4p)$ is

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

2. The value of $(-7j) + (-5j) + 6j + (-7j)$ is

(i) $(-15j)$ (ii) $(-13j)$ (iii) $(-10j)$ (iv) $(-12j)$ (v) $(-14j)$

3. The value of $(-5j^2) + 9j^2 + 3j^2$ is

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

4. The value of $3z^4 + (-9z^4) + (-8z^4) + 7z^4$ is

(i) $(-6z^4)$ (ii) $(-5z^4)$ (iii) $(-10z^4)$ (iv) $(-8z^4)$ (v) $(-7z^4)$

5. The value of $(8w + 7) + (2w + 5)$ is

(i) $(11w + 12)$ (ii) $(9w + 12)$ (iii) $(10w + 12)$ (iv) $(7w + 12)$ (v) $(13w + 12)$

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

(i) $(6f^2 - f)$ (ii) $(4f^2 - f)$ (iii) $(2f^2 - f)$ (iv) $(5f^2 - f)$ (v) $(7f^2 - f)$

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

(i) $(-2j^4 + j^2 + j - 11)$

(ii) $(-8j^4 + j^2 + j - 11)$

(iii) $(-4j^4 + j^2 + j - 11)$

(iv) $(-6j^4 + j^2 + j - 11)$

(v) $(-5j^4 + j^2 + j - 11)$

The value of $(2e^5 + 3e^4 + 7e) + (9e^4 - 7e^3 + e^2)$

8.

+ $(2e^5 + 3e^4 - 3) + (-4e^5 - 3e^2 - 3e)$ is

(i) $(18e^4 - 7e^3 - 2e^2 + 4e - 3)$

(ii) $(14e^4 - 7e^3 - 2e^2 + 4e - 3)$

(iii) $(13e^4 - 7e^3 - 2e^2 + 4e - 3)$

(iv) $(16e^4 - 7e^3 - 2e^2 + 4e - 3)$

(v) $(15e^4 - 7e^3 - 2e^2 + 4e - 3)$

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

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

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

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

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

(i) $\frac{16}{13}i^2$ (ii) $\frac{16}{15}i^2$ (iii) $\frac{16}{17}i^2$ (iv) $\frac{6}{5}i^2$ (v) $\frac{14}{15}i^2$

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

$$(i) \frac{37}{15}m^4 \quad (ii) \frac{13}{5}m^4 \quad (iii) \frac{33}{13}m^4 \quad (iv) \frac{7}{3}m^4 \quad (v) \frac{41}{17}m^4$$

The sum of the terms

13. $1, (-6u), (-3u), (-4u), (-4)$ is

(i) $(-13u - 6)$ (ii) $(-13u)$

(iii) $(-12u - 3)$ (iv) $(-14u - 3)$

(v) $(-13u - 3)$

The sum of the terms

14. $3i, 9h, i, 3, 5i$ is

(i) $(9h + 9i + 3)$ (ii) $(8h + 9i + 3)$

(iii) $(9h + 11i + 3)$ (iv) $(10h + 9i + 3)$

(v) $(9h + 6i + 3)$

The sum of the terms

15. $(-4uvw), 6vw, (-3u), uw, (-8vw)$ is

(i) $(-4uvw + uw - 3u - 2vw)$

(ii) $(-4uvw + 3uw - 3u - 2vw)$

(iii) $(-3uvw + uw - 3u - 2vw)$

(iv) $(-5uvw + uw - 3u - 2vw)$

(v) $(-4uvw - uw - 3u - 2vw)$

The sum of the expressions

16. $(-4w - 7), (-8w + 7), (4w + 5), (-5w - 7), (6w - 2)$ is

(i) $(-7w - 6)$ (ii) $(-7w - 4)$

(iii) $(-7w - 2)$ (iv) $(-8w - 4)$

(v) $(-6w - 4)$

The sum of the expressions

17.

$(-2a - 2), (-5ab - 3b), (-6a + 4), (3b + 6), (-15ab - 6a)$ is

(i) $(-20ab - 11a + 8)$ (ii) $(-21ab - 14a + 8)$

(iii) $(-20ab - 17a + 8)$ (iv) $(-20ab - 14a + 8)$

(v) $(-19ab - 14a + 8)$

The sum of the expressions

18. $(-6j + 3), (-8j + 4), (-2j + 7), (-j + 8), (8j + 5)$ is

(i) $(-8j + 27)$ (ii) $(-9j + 24)$

(iii) $(-9j + 27)$ (iv) $(-9j + 29)$

(v) $(-10j + 27)$

The sum of the expressions

19. $(kl + k - 7l), (-9kl - 9l - 1), (-4kl - 10k - 2),$

$(-3k + 2l - 2), (11kl - 9k - 4l)$ is

(i) $(-21k - 18l - 5)$

(ii) $(-kl - 21k - 18l - 5)$

(iii) $(-kl - 18k - 18l - 5)$

(iv) $(-kl - 23k - 18l - 5)$

(v) $(-2kl - 21k - 18l - 5)$

The value of

20. $3wx + 2wx$ is

(i) $5wx$ (ii) $6wx$ (iii) $2wx$

(iv) $4wx$ (v) $8wx$

The value of

21. $(-3h^2i^2) + 7h^2i^2 + (-h^2i^2) + (-4h^2i^2)$ is

(i) $(-h^2i^2)$ (ii) $2h^2i^2$ (iii) $(-2h^2i^2)$

(iv) $(-4h^2i^2)$ (v) 0

The value of

22. $(-6bcd) + (-2bcd)$ is

(i) $(-11bcd)$ (ii) $(-9bcd)$ (iii) $(-7bcd)$

(iv) $(-8bcd)$ (v) $(-5bcd)$

The value of

23. $(7jk - 6j - 7k) + (-7jk + 5j - 8k)$ is

(i) $(-j - 18k)$ (ii) $(-j - 15k)$ (iii) $(-15k)$

(iv) $(-2j - 15k)$ (v) $(-j - 13k)$

The value of

24. $(4hi - 3h + 7i) + (5hj - 3j + 1)$ is

(i) $(4hi + 5hj - 3h + 7i - 3j + 1)$

(ii) $(4hi + 3hj - 3h + 7i - 3j + 1)$

(iii) $(4hi + 8hj - 3h + 7i - 3j + 1)$

(iv) $(5hi + 5hj - 3h + 7i - 3j + 1)$

(v) $(3hi + 5hj - 3h + 7i - 3j + 1)$

25. The value of $\frac{1}{3}jk + \frac{1}{2}jk$ is

(i) $\frac{5}{8}jk$ (ii) $\frac{5}{6}jk$ (iii) $\frac{5}{4}jk$

(iv) $\frac{1}{2}jk$ (v) $\frac{7}{6}jk$

26. The value of $\frac{1}{2}uvw + \frac{4}{5}uvw$ is

(i) $\frac{13}{8}uvw$ (ii) $\frac{13}{10}uvw$ (iii) $\frac{3}{2}uvw$

(iv) $\frac{11}{10}uvw$ (v) $\frac{13}{12}uvw$

27. The value of

$(-3kl) - 9kl$ is

- (i) $(-13kl)$ (ii) $(-11kl)$ (iii) $(-9kl)$
 (iv) $(-12kl)$ (v) $(-15kl)$
-

The value of

28. $6uv - 7uv - (-8uv) - (-5uv)$ is

- (i) $12uv$ (ii) $11uv$ (iii) $13uv$
 (iv) $15uv$ (v) $10uv$
-

The value of

29. $5w^2x^2y^2 - 5w^2x^2y^2$ is

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

The value of

30. $(-4o^2p^2q^2) - (-2o^2p^2q^2) - (-4o^2p^2q^2) - 6o^2p^2q^2$ is

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

The value of

31. $(-3t + 3u - 10) - (-tu + 7u - 5)$ is

- (i) $(-3t - 4u - 5)$
 (ii) $(2tu - 3t - 4u - 5)$
 (iii) $(tu - 3t - 4u - 5)$
 (iv) $(tu - 6t - 4u - 5)$
 (v) $(tu - t - 4u - 5)$
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32. The value of

$$(3nop + 6np - o) - (-9no - np + 4p) \text{ is}$$

- (i) $(3nop + 12no + 7np - o - 4p)$
 (ii) $(3nop + 9no + 7np - o - 4p)$
 (iii) $(4nop + 9no + 7np - o - 4p)$
 (iv) $(3nop + 7no + 7np - o - 4p)$
 (v) $(2nop + 9no + 7np - o - 4p)$
-

33. The value of $\frac{1}{2}xy - \frac{3}{5}xy$ is

- (i) $\frac{1}{10}xy$ (ii) $(-\frac{3}{10}xy)$ (iii) $(-\frac{1}{8}xy)$
 (iv) $(-\frac{1}{12}xy)$ (v) $(-\frac{1}{10}xy)$
-

34. The value of $\frac{3}{4}mn - \frac{4}{5}mn - \frac{2}{5}mn - \frac{2}{5}mn$ is

- (i) $(-\frac{17}{18}mn)$ (ii) $(-\frac{19}{20}mn)$ (iii) $(-\frac{3}{4}mn)$
 (iv) $(-\frac{17}{20}mn)$ (v) $(-\frac{17}{22}mn)$
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35. The value of $\frac{1}{3}v^2w^2x^2 - \frac{2}{3}v^2w^2x^2$ is

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

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