EduSahara™ Assignment

Name : Polynomials Multiplication

Chapter : Polynomials and Factorisation

Grade : SSC Grade IX

License : Non Commercial Use

1. The product of the terms $(-3fg), (-5g), (-5), (-4), 2$ is

   (i) $600fg^2$ (ii) $599fg^2$ (iii) $603fg^2$ (iv) $601fg^2$ (v) $598fg^2$

2. The product of the terms $(-4y), (-3), (-4), 3, 5$ is

   (i) $(-723y)$ (ii) $(-720y)$ (iii) $(-721y)$ (iv) $(-719y)$ (v) $(-717y)$

3. The product of the terms $4, (-1), 3, (-2), 2$ is

   (i) 47 (ii) 50 (iii) 45 (iv) 49 (v) 48

4. The value of $9hi \times (-h)$ is

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

5. The value of $5st \times (-t) \times (-8t) \times 6st$ is

   (i) $237s^2t^4$ (ii) $243s^2t^4$ (iii) $241s^2t^4$ (iv) $240s^2t^4$ (v) $239s^2t^4$

6. The value of $7vw^2x^2 \times (-5vw^2x)$ is

   (i) $(-35v^2w^4x^3)$ (ii) $(-38v^2w^4x^3)$ (iii) $(-36v^2w^4x^3)$ (iv) $(-32v^2w^4x^3)$ (v) $(-34v^2w^4x^3)$

7. The value of $(-vx) \times 3vx \times (-2vw) \times (-3wx)$ is

   (i) $(-17v^3w^2x^3)$ (ii) $(-19v^3w^2x^3)$ (iii) $(-21v^3w^2x^3)$ (iv) $(-18v^3w^2x^3)$ (v) $(-16v^3w^2x^3)$

8. The value of $(-1)(-5t-4u)$ is

   (i) $(5t+4u)$ (ii) $(4t+4u)$ (iii) $(6t+4u)$ (iv) $(5t+2u)$ (v) $(5t+6u)$

9. The value of $(-5m)(6m^2-3n^2)$ is

   (i) $(-30m^3+12mn^2)$ (ii) $(-31m^3+15mn^2)$ (iii) $(-30m^3+18mn^2)$ (iv) $(-30m^3+15mn^2)$

   (v) $(-29m^3+15mn^2)$

10. The value of $2(g^2h^2i^2+2gi)$ is

    (i) $(3g^2h^2i^2+4gi)$ (ii) $(2g^2h^2i^2+6gi)$ (iii) $(2g^2h^2i^2+2gi)$ (iv) $(2g^2h^2i^2+4gi)$ (v) $(g^2h^2i^2+4gi)$

11. The value of $4f(3f^2+2fgh-2fg)$ is

    (i) $(12f^3+8f^2gh-8f^2g)$ (ii) $(13f^3+8f^2gh-8f^2g)$ (iii) $(11f^3+8f^2gh-8f^2g)$ (iv) $(12f^3+11f^2gh-8f^2g)$

    (v) $(12f^3+5f^2gh-8f^2g)$

12. The value of $\frac{2}{5}(\frac{1}{2}a+\frac{1}{2}b)$ is

(i) $(\frac{1}{7}a+\frac{1}{5}b)$ (ii) $(\frac{1}{5}a+\frac{1}{5}b)$ (iii) $(\frac{1}{5}a+\frac{3}{5}b)$ (iv) $(\frac{1}{3}a+\frac{1}{5}b)$ (v) $(\frac{1}{5}a-\frac{1}{5}b)$

13. The value of $\frac{1}{3}l(\frac{3}{5}l^2m^2+\frac{2}{3}l)$ is

(i) $(\frac{1}{7}l^3m^2+\frac{2}{9}l^2)$ (ii) $\frac{1}{5}l^3m^2$ (iii) $(\frac{1}{3}l^3m^2+\frac{2}{9}l^2)$ (iv) $(\frac{1}{5}l^3m^2+\frac{2}{9}l^2)$ (v) $(\frac{1}{5}l^3m^2+\frac{4}{9}l^2)$

14. The value of $\frac{1}{2}nop(\frac{1}{2}n^2op+\frac{2}{3}n^2)$ is

(i) $(\frac{1}{4}n^3o^2p^2+n^3op)$ (ii) $(\frac{1}{4}n^3o^2p^2+\frac{1}{3}n^3op)$ (iii) $(\frac{1}{4}n^3o^2p^2-\frac{1}{3}n^3op)$ (iv) $(\frac{1}{2}n^3o^2p^2+\frac{1}{3}n^3op)$

(v) $(\frac{1}{6}n^3o^2p^2+\frac{1}{3}n^3op)$

15. The value of $\frac{1}{2}pq(\frac{3}{4}p^2r^2+\frac{1}{2}pq^2r^2+\frac{1}{2}pqr)$ is

(i) $(\frac{1}{2}p^3qr^2+\frac{1}{4}p^2q^3r^2+\frac{1}{4}p^2q^2r)$ (ii) $(\frac{3}{8}p^3qr^2+\frac{1}{4}p^2q^3r^2+\frac{1}{4}p^2q^2r)$ (iii) $(\frac{3}{8}p^3qr^2-\frac{1}{4}p^2q^3r^2+\frac{1}{4}p^2q^2r)$

(iv) $(\frac{3}{10}p^3qr^2+\frac{1}{4}p^2q^3r^2+\frac{1}{4}p^2q^2r)$ (v) $(\frac{3}{8}p^3qr^2+\frac{3}{4}p^2q^3r^2+\frac{1}{4}p^2q^2r)$

16. The value of $(4g-1)\times(-8f-1)$ is

(i) $(-32fg+8f-4g+1)$ (ii) $(-33fg+8f-4g+1)$ (iii) $(-31fg+8f-4g+1)$ (iv) $(-32fg+11f-4g+1)$

(v) $(-32fg+6f-4g+1)$

17. The value of $(-6no-n)\times(9n^2o-3no^2)$ is

(i) $(-54n^3o^2-6n^3o+18n^2o^3+3n^2o^2)$ (ii) $(-54n^3o^2-9n^3o+18n^2o^3+3n^2o^2)$

(iii) $(-53n^3o^2-9n^3o+18n^2o^3+3n^2o^2)$ (iv) $(-55n^3o^2-9n^3o+18n^2o^3+3n^2o^2)$

(v) $(-54n^3o^2-12n^3o+18n^2o^3+3n^2o^2)$

18. The value of $(-3ghi+4hi-2)\times(6gi-7g+3i)$ is

(i) $(-18g^2hi^2+23g^2hi+15ghi^2-28ghi-12gi+14g+12hi^2-6i)$

(ii) $(-18g^2hi^2+18g^2hi+15ghi^2-28ghi-12gi+14g+12hi^2-6i)$

(iii) $(-18g^2hi^2+21g^2hi+15ghi^2-28ghi-12gi+14g+12hi^2-6i)$

(iv) $(-17g^2hi^2+21g^2hi+15ghi^2-28ghi-12gi+14g+12hi^2-6i)$

(v) $(-19g^2hi^2+21g^2hi+15ghi^2-28ghi-12gi+14g+12hi^2-6i)$

19. The value of $(-5q-4r)\times(3q-3r)\times(-3q-2)$ is

(i) $(45q^3-7q^2r+30q^2-36qr^2-6qr-24r^2)$ (ii) $(46q^3-9q^2r+30q^2-36qr^2-6qr-24r^2)$

(iii) $(45q^3-11q^2r+30q^2-36qr^2-6qr-24r^2)$ (iv) $(45q^3-9q^2r+30q^2-36qr^2-6qr-24r^2)$

(v) $(44q^3-9q^2r+30q^2-36qr^2-6qr-24r^2)$

20. The value of $\frac{4}{5}u\times\frac{2}{3}$ is

(i) $\frac{2}{5}u$ (ii) $\frac{8}{15}u$ (iii) $\frac{8}{17}u$ (iv) $\frac{2}{3}u$ (v) $\frac{8}{13}u$

21. The value of $\frac{1}{5}uv\times\frac{3}{4}u\times\frac{2}{5}\times\frac{2}{3}u$ is

(i) $\frac{1}{25}u^3v$ (ii) $\frac{1}{23}u^3v$ (iii) $(-\frac{1}{25}u^3v)$ (iv) $\frac{1}{27}u^3v$ (v) $\frac{3}{25}u^3v$

22. The value of $\frac{3}{5}j^2k^2\times\frac{2}{5}ij^2k$ is

(i) $\frac{4}{25}ij^4k^3$ (ii) $\frac{6}{23}ij^4k^3$ (iii) $\frac{8}{25}ij^4k^3$ (iv) $\frac{6}{25}ij^4k^3$ (v) $\frac{2}{9}ij^4k^3$

23. The value of $\frac{2}{3}fgh\times\frac{1}{5}gh\times\frac{1}{3}fh\times\frac{2}{3}$ is

(i) $\frac{2}{45}f^2g^2h^3$ (ii) $\frac{4}{133}f^2g^2h^3$ (iii) $\frac{4}{137}f^2g^2h^3$ (iv) $\frac{2}{135}f^2g^2h^3$ (v) $\frac{4}{135}f^2g^2h^3$

Assignment Key

1) (i)	2) (ii)	3) (v)	4) (iv)	5) (iv)	6) (i)
7) (iv)	8) (i)	9) (iv)	10) (iv)	11) (i)	12) (ii)
13) (iv)	14) (ii)	15) (ii)	16) (i)	17) (ii)	18) (iii)
19) (iv)	20) (ii)	21) (i)	22) (iv)	23) (v)	

Copyright © Small Systems Computing Pvt. Ltd.