



1. The value of $r \times r \times r$ is

- (i) $2r^3$ (ii) $(-2r^3)$ (iii) r^3 (iv) $3r^3$ (v) 0

2. The value of $3m \times 3 \times (-4) \times (-3m)$ is

- (i) $109m^2$ (ii) $110m^2$ (iii) $108m^2$ (iv) $107m^2$ (v) $105m^2$

3. The value of $(-k^2) \times 7k$ is

- (i) $(-4k^3)$ (ii) $(-10k^3)$ (iii) $(-7k^3)$ (iv) $(-8k^3)$ (v) $(-6k^3)$

4. The value of $3g \times (-5g) \times (-3g^2)$ is

- (i) $42g^4$ (ii) $46g^4$ (iii) $47g^4$ (iv) $45g^4$ (v) $44g^4$

5. The value of $(3x+3) \times (8x-6)$ is

- (i) $(25x^2+6x-18)$ (ii) $(23x^2+6x-18)$ (iii) $(26x^2+6x-18)$ (iv) $(22x^2+6x-18)$ (v) $(24x^2+6x-18)$

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

- (i) $\frac{5}{16}u^5$ (ii) $\frac{1}{16}u^5$ (iii) $\frac{3}{16}u^5$ (iv) $\frac{1}{6}u^5$ (v) $\frac{3}{14}u^5$

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

- (i) $\frac{1}{5}u$ (ii) $\frac{1}{13}u$ (iii) $\frac{1}{15}u$ (iv) $\frac{1}{17}u$ (v) $(-\frac{1}{15}u)$

8. The value of $\frac{2}{5}b \times \frac{2}{3}b \times \frac{4}{5} \times \frac{1}{2}b$ is

- (i) $\frac{2}{15}b^3$ (ii) $\frac{8}{77}b^3$ (iii) $\frac{8}{73}b^3$ (iv) $\frac{8}{75}b^3$ (v) $\frac{2}{25}b^3$

9. The value of $\frac{4}{5}m^2 \times \frac{1}{2}m^2$ is

- (i) 0 (ii) $\frac{2}{7}m^4$ (iii) $\frac{2}{3}m^4$ (iv) $\frac{4}{5}m^4$ (v) $\frac{2}{5}m^4$

10. The product of the terms $2d, (-2), cd, (-2), 1$ is

- (i) $8cd^2$ (ii) $10cd^2$ (iii) $5cd^2$ (iv) $7cd^2$ (v) $9cd^2$

11. The product of the terms $(-oq), 4oq, p, (-5), 4$ is

- (i) $82o^2pq^2$ (ii) $80o^2pq^2$ (iii) $78o^2pq^2$ (iv) $79o^2pq^2$ (v) $81o^2pq^2$

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

- (i) 39 (ii) 33 (iii) 35 (iv) 36 (v) 37

13. The value of $(-3n) \times 8$ is

- (i) $(-23n)$ (ii) $(-25n)$ (iii) $(-24n)$ (iv) $(-21n)$ (v) $(-27n)$

14. The value of $(-8c) \times 3b \times 6b \times 3c$ is

- (i) $(-431b^2c^2)$ (ii) $(-430b^2c^2)$ (iii) $(-432b^2c^2)$ (iv) $(-435b^2c^2)$ (v) $(-433b^2c^2)$

15. The value of $(-2oq^2) \times (-2p^2q)$ is

- (i) $4op^2q^3$ (ii) $3op^2q^3$ (iii) $7op^2q^3$ (iv) $2op^2q^3$ (v) $5op^2q^3$

16. The value of $(-5b) \times 4b \times (-8bd) \times (-6cd)$ is

- (i) $(-958b^3cd^2)$ (ii) $(-962b^3cd^2)$ (iii) $(-961b^3cd^2)$ (iv) $(-959b^3cd^2)$ (v) $(-960b^3cd^2)$

17. The value of $(-4)(5h+4)$ is

- (i) $(-19h-16)$ (ii) $(-20h-14)$ (iii) $(-21h-16)$ (iv) $(-20h-19)$ (v) $(-20h-16)$

18. The value of $5(3jk-5j)$ is

- (i) $(14jk-25j)$ (ii) $(15jk-25j)$ (iii) $(15jk-22j)$ (iv) $(16jk-25j)$ (v) $(15jk-27j)$

19. The value of $(-4)(-x^2+y^2)$ is

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

20. The value of $3abc(a^2b-2bc^2-2c)$ is

- (i) $(3a^3b^2c-4ab^2c^3-6abc^2)$ (ii) $(2a^3b^2c-6ab^2c^3-6abc^2)$ (iii) $(3a^3b^2c-6ab^2c^3-6abc^2)$
(iv) $(4a^3b^2c-6ab^2c^3-6abc^2)$ (v) $(3a^3b^2c-9ab^2c^3-6abc^2)$

21. The value of $\frac{1}{2}\left(\frac{1}{2}f+\frac{2}{3}\right)$ is

- (i) $\left(\frac{1}{6}f+\frac{1}{3}\right)$ (ii) $\left(\frac{1}{4}f+\frac{1}{3}\right)$ (iii) $\left(\frac{1}{2}f+\frac{1}{3}\right)$ (iv) $\left(\frac{1}{4}f+1\right)$ (v) $\left(\frac{1}{4}f-\frac{1}{3}\right)$

22. The value of $\frac{1}{3}b\left(\frac{1}{2}b^2c^2+\frac{1}{4}bc\right)$ is

- (i) $\left(\frac{1}{8}b^3c^2+\frac{1}{12}b^2c\right)$ (ii) $\left(\frac{1}{6}b^3c^2+\frac{1}{4}b^2c\right)$ (iii) $\left(\frac{1}{6}b^3c^2+\frac{1}{12}b^2c\right)$ (iv) $\left(\frac{1}{4}b^3c^2+\frac{1}{12}b^2c\right)$
(v) $\left(\frac{1}{6}b^3c^2-\frac{1}{12}b^2c\right)$

23. The value of $\frac{1}{2}rs(\frac{2}{5}qrs + \frac{2}{3}q)$ is

- (i) $(\frac{1}{5}qr^2s^2 + qrs)$ (ii) $(\frac{1}{5}qr^2s^2 - \frac{1}{3}qrs)$ (iii) $(\frac{1}{3}qr^2s^2 + \frac{1}{3}qrs)$ (iv) $(\frac{1}{5}qr^2s^2 + \frac{1}{3}qrs)$ (v) $(\frac{1}{7}qr^2s^2 + \frac{1}{3}qrs)$

24. The value of $\frac{1}{2}ghi(\frac{1}{3}gh^2i + \frac{1}{4}hi^2 + \frac{1}{2}i)$ is

- (i) $(\frac{1}{6}g^2h^3i^2 + \frac{1}{8}gh^2i^3 + \frac{1}{4}ghi^2)$ (ii) $(\frac{1}{6}g^2h^3i^2 - \frac{1}{8}gh^2i^3 + \frac{1}{4}ghi^2)$ (iii) $(\frac{1}{8}g^2h^3i^2 + \frac{1}{8}gh^2i^3 + \frac{1}{4}ghi^2)$
(iv) $(\frac{1}{4}g^2h^3i^2 + \frac{1}{8}gh^2i^3 + \frac{1}{4}ghi^2)$ (v) $(\frac{1}{6}g^2h^3i^2 + \frac{3}{8}gh^2i^3 + \frac{1}{4}ghi^2)$

25. The value of $(2jk - 9k) \times (-8jk + 8)$ is

- (i) $(-17j^2k^2 + 72jk^2 + 16jk - 72k)$ (ii) $(-16j^2k^2 + 69jk^2 + 16jk - 72k)$ (iii) $(-16j^2k^2 + 75jk^2 + 16jk - 72k)$
(iv) $(-16j^2k^2 + 72jk^2 + 16jk - 72k)$ (v) $(-15j^2k^2 + 72jk^2 + 16jk - 72k)$

26. The value of $\frac{3}{5} \times \frac{2}{5}$ is

- (i) $\frac{2}{9}$ (ii) $\frac{4}{25}$ (iii) $\frac{6}{23}$ (iv) $\frac{6}{25}$ (v) $\frac{8}{25}$

27. The value of $\frac{1}{2}u \times \frac{1}{2}v \times \frac{1}{2}v \times \frac{2}{3}$ is

- (i) $\frac{1}{14}uv^2$ (ii) $\frac{1}{10}uv^2$ (iii) $\frac{1}{12}uv^2$ (iv) $\frac{1}{4}uv^2$ (v) $(-\frac{1}{12}uv^2)$

28. The value of $\frac{1}{2}no^2p \times \frac{2}{3}o^2p$ is

- (i) $(-\frac{1}{3}no^4p^2)$ (ii) $\frac{1}{5}no^4p^2$ (iii) no^4p^2 (iv) $\frac{1}{3}no^4p^2$

29. The value of $\frac{1}{2}q \times \frac{2}{3}q \times \frac{2}{3}op \times \frac{1}{2}o$ is

- (i) $(-\frac{1}{9}o^2pq^2)$ (ii) $\frac{1}{7}o^2pq^2$ (iii) $\frac{1}{11}o^2pq^2$ (iv) $\frac{1}{3}o^2pq^2$ (v) $\frac{1}{9}o^2pq^2$

Assignment Key

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