



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

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

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

- (i) $(-192a)$ (ii) $(-190a)$ (iii) $(-194a)$ (iv) $(-193a)$ (v) $(-191a)$

3. The value of $6w^2 \times 5w$ is

- (i) $31w^3$ (ii) $32w^3$ (iii) $30w^3$ (iv) $28w^3$ (v) $29w^3$

4. The value of $5u \times 3u \times (-4u)$ is

- (i) $(-60u^3)$ (ii) $(-61u^3)$ (iii) $(-63u^3)$ (iv) $(-57u^3)$ (v) $(-59u^3)$

5. The value of $(4t+6) \times (-5t+1)$ is

- (i) $(-21t^2 - 26t + 6)$ (ii) $(-17t^2 - 26t + 6)$ (iii) $(-23t^2 - 26t + 6)$ (iv) $(-20t^2 - 26t + 6)$
(v) $(-19t^2 - 26t + 6)$

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

- (i) $\frac{3}{16}d^5$ (ii) $\frac{1}{14}d^5$ (iii) $\frac{1}{18}d^5$ (iv) $\frac{1}{16}d^5$ (v) $(-\frac{1}{16}d^5)$

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

- (i) $\frac{1}{20}c^2$ (ii) $\frac{1}{4}c^2$ (iii) $\frac{3}{20}c^2$ (iv) $\frac{1}{6}c^2$ (v) $\frac{3}{22}c^2$

8. The value of $\frac{1}{2}i \times \frac{2}{3}i \times \frac{1}{2}i \times \frac{1}{2}$ is

- (i) $\frac{1}{14}i^3$ (ii) $(-\frac{1}{12}i^3)$ (iii) $\frac{1}{10}i^3$ (iv) $\frac{1}{4}i^3$ (v) $\frac{1}{12}i^3$

9. The value of $\frac{2}{3}q \times \frac{1}{5}q^2$ is

- (i) $\frac{2}{17}q^3$ (ii) $\frac{2}{15}q^3$ (iii) $\frac{2}{13}q^3$ (iv) 0 (v) $\frac{4}{15}q^3$

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

- (i) $243mn$ (ii) $237mn$ (iii) $240mn$ (iv) $239mn$ (v) $241mn$

11. The product of the terms $(-3/m), 5m, 3m, (-5), (-1)$ is

- (i) $(-224/m^3)$ (ii) $(-222/m^3)$ (iii) $(-227/m^3)$ (iv) $(-226/m^3)$ (v) $(-225/m^3)$

12. The product of the terms $3, 3, (-5), (-1), 3$ is

- (i) 133 (ii) 136 (iii) 135 (iv) 134 (v) 138

13. The value of $(-4w) \times 8x$ is

- (i) $(-35wx)$ (ii) $(-32wx)$ (iii) $(-31wx)$ (iv) $(-30wx)$ (v) $(-33wx)$

14. The value of $2jk \times (-8j) \times 8 \times (-6j)$ is

- (i) $765j^3k$ (ii) $767j^3k$ (iii) $769j^3k$ (iv) $771j^3k$ (v) $768j^3k$

15. The value of $5uv^2 \times vw^2$ is

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

16. The value of $(-4op) \times 5no \times 3op \times (-op)$ is

- (i) $61no^4p^3$ (ii) $60no^4p^3$ (iii) $59no^4p^3$ (iv) $62no^4p^3$ (v) $57no^4p^3$

17. The value of $(-5)(4rs - 2r)$ is

- (i) $(-21rs + 10r)$ (ii) $(-20rs + 8r)$ (iii) $(-20rs + 10r)$ (iv) $(-19rs + 10r)$ (v) $(-20rs + 12r)$

18. The value of $3jk(-2k^2 - 5)$ is

- (i) $(-7jk^3 - 15jk)$ (ii) $(-6jk^3 - 13jk)$ (iii) $(-5jk^3 - 15jk)$ (iv) $(-6jk^3 - 15jk)$ (v) $(-6jk^3 - 17jk)$

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

- (i) $(-xy^2z)$ (ii) $(-x^3yz - xy^2z)$ (iii) $(-x^3yz - 3xy^2z)$ (iv) $(-2x^3yz - xy^2z)$ (v) $(-x^3yz + 2xy^2z)$

20. The value of $(-5rs)(4r^2st^2 + 2rs^2t + 2s^2)$ is

- (i) $(-19r^3s^2t^2 - 10r^2s^3t - 10rs^3)$ (ii) $(-20r^3s^2t^2 - 10r^2s^3t - 10rs^3)$ (iii) $(-21r^3s^2t^2 - 10r^2s^3t - 10rs^3)$
(iv) $(-20r^3s^2t^2 - 13r^2s^3t - 10rs^3)$ (v) $(-20r^3s^2t^2 - 7r^2s^3t - 10rs^3)$

21. The value of $\frac{1}{2}(\frac{2}{3}cd + \frac{3}{4})$ is

- (i) $(cd + \frac{3}{8})$ (ii) $(\frac{1}{3}cd + \frac{5}{8})$ (iii) $(\frac{1}{3}cd + \frac{3}{8})$ (iv) $(\frac{1}{5}cd + \frac{3}{8})$ (v) $(\frac{1}{3}cd + \frac{1}{8})$

22. The value of $\frac{1}{2}(\frac{1}{4}h^2 + \frac{2}{3}hi^2)$ is

- (i) $(\frac{1}{8}h^2 + \frac{1}{3}hi^2)$ (ii) $(\frac{1}{6}h^2 + \frac{1}{3}hi^2)$ (iii) $(\frac{1}{10}h^2 + \frac{1}{3}hi^2)$ (iv) $(\frac{1}{8}h^2 - \frac{1}{3}hi^2)$ (v) $(\frac{1}{8}h^2 + hi^2)$

23. The value of $\frac{1}{3}uv\left(\frac{4}{5}tu^2v^2 + \frac{1}{2}tv^2\right)$ is

- (i) $(\frac{4}{15}tu^3v^3 + \frac{1}{2}tuv^3)$ (ii) $(\frac{4}{13}tu^3v^3 + \frac{1}{6}tuv^3)$ (iii) $(\frac{4}{17}tu^3v^3 + \frac{1}{6}tuv^3)$ (iv) $(\frac{4}{15}tu^3v^3 + \frac{1}{6}tuv^3)$
(v) $(\frac{4}{15}tu^3v^3 - \frac{1}{6}tuv^3)$

24. The value of $\frac{1}{2}ef\left(\frac{1}{2}d^2e^2 + \frac{1}{2}d^2f + \frac{2}{3}d^2\right)$ is

- (i) $(\frac{1}{4}d^2e^3f - \frac{1}{4}d^2ef^2 + \frac{1}{3}d^2ef)$ (ii) $(\frac{1}{2}d^2e^3f + \frac{1}{4}d^2ef^2 + \frac{1}{3}d^2ef)$ (iii) $(\frac{1}{4}d^2e^3f + \frac{1}{4}d^2ef^2 + \frac{1}{3}d^2ef)$
(iv) $(\frac{1}{6}d^2e^3f + \frac{1}{4}d^2ef^2 + \frac{1}{3}d^2ef)$ (v) $(\frac{1}{4}d^2e^3f + \frac{3}{4}d^2ef^2 + \frac{1}{3}d^2ef)$

25. The value of $(-3hi - 2) \times (3h - i)$ is

- (i) $(-10h^2i + 3h^2 - 6h + 2i)$ (ii) $(-9h^2i + 6h^2 - 6h + 2i)$ (iii) $(-9h^2i + hi^2 - 6h + 2i)$
(iv) $(-8h^2i + 3hi^2 - 6h + 2i)$ (v) $(-9h^2i + 3hi^2 - 6h + 2i)$

26. The value of $\frac{3}{5}vw \times \frac{1}{4}vw$ is

- (i) $\frac{1}{20}v^2w^2$ (ii) $\frac{3}{22}v^2w^2$ (iii) $\frac{1}{4}v^2w^2$ (iv) $\frac{1}{6}v^2w^2$ (v) $\frac{3}{20}v^2w^2$

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

- (i) $(-\frac{1}{40}ab^2)$ (ii) $\frac{1}{38}ab^2$ (iii) $\frac{1}{42}ab^2$ (iv) $\frac{3}{40}ab^2$ (v) $\frac{1}{40}ab^2$

28. The value of $\frac{4}{5}a^2b^2c^2 \times \frac{3}{4}a^2b^2$ is

- (i) $\frac{3}{5}a^4b^4c^2$ (ii) $\frac{3}{7}a^4b^4c^2$ (iii) $\frac{1}{5}a^4b^4c^2$ (iv) $a^4b^4c^2$

29. The value of $\frac{1}{2}tu \times \frac{3}{4}st \times \frac{1}{5}s \times \frac{3}{5}$ is

- (i) $\frac{9}{200}s^2t^2u$ (ii) $\frac{1}{22}s^2t^2u$ (iii) $\frac{9}{202}s^2t^2u$ (iv) $\frac{7}{200}s^2t^2u$ (v) $\frac{11}{200}s^2t^2u$

Assignment Key

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

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