



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

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

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

- (i) $(-65m^4)$ (ii) $(-61m^4)$ (iii) $(-64m^4)$ (iv) $(-63m^4)$ (v) $(-67m^4)$

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

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

4. The value of $3c \times c^2 \times 5c$ is

- (i) $15c^4$ (ii) $13c^4$ (iii) $14c^4$ (iv) $16c^4$ (v) $18c^4$

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

- (i) $(3v^2-13v-12)$ (ii) $(4v^2-13v-12)$ (iii) $(5v^2-13v-12)$ (iv) $(6v^2-13v-12)$ (v) $(2v^2-13v-12)$

6. The value of $(-5n^2+4n-6) \times (-3n^2+2n-5)$ is

- (i) $(14n^4-22n^3+51n^2-32n+30)$ (ii) $(18n^4-22n^3+51n^2-32n+30)$ (iii) $(16n^4-22n^3+51n^2-32n+30)$
(iv) $(12n^4-22n^3+51n^2-32n+30)$ (v) $(15n^4-22n^3+51n^2-32n+30)$

7. The value of $(8s^2+s+4) \times (7s^2+2s-2)$ is

- (i) $(59s^4+23s^3+14s^2+6s-8)$ (ii) $(55s^4+23s^3+14s^2+6s-8)$ (iii) $(56s^4+23s^3+14s^2+6s-8)$
(iv) $(57s^4+23s^3+14s^2+6s-8)$ (v) $(53s^4+23s^3+14s^2+6s-8)$

8. The value of $(8x^2+9x) \times (-7x^2+7x) \times (7x^2-x)$ is

- (i) $(-392x^6+7x^5+448x^4-63x^3)$ (ii) $(-391x^6+7x^5+448x^4-63x^3)$ (iii) $(-394x^6+7x^5+448x^4-63x^3)$
(iv) $(-393x^6+7x^5+448x^4-63x^3)$ (v) $(-390x^6+7x^5+448x^4-63x^3)$

9. The value of $\frac{1}{4}u \times \frac{1}{2}u \times \frac{1}{2}u$ is

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

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

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

11. The value of $\frac{1}{5}m \times \frac{3}{4}m$ is

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

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

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

13. The product of the terms $h, (-2hi), (-3), (-4), 4$ is

- (i) $(-99h^2i)$ (ii) $(-95h^2i)$ (iii) $(-96h^2i)$ (iv) $(-97h^2i)$ (v) $(-94h^2i)$

14. The product of the terms $3ij, (-2j), (-5hij), 3, 5$ is

- (i) $449hi^2j^3$ (ii) $452hi^2j^3$ (iii) $451hi^2j^3$ (iv) $450hi^2j^3$ (v) $448hi^2j^3$

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

- (i) 57 (ii) 62 (iii) 60 (iv) 59 (v) 61

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

- (i) $(-15n^2o^2)$ (ii) $(-13n^2o^2)$ (iii) $(-14n^2o^2)$ (iv) $(-18n^2o^2)$ (v) $(-16n^2o^2)$

17. The value of $(-4k) \times 5l \times 7kl \times 3l$ is

- (i) $(-417k^2l^3)$ (ii) $(-419k^2l^3)$ (iii) $(-420k^2l^3)$ (iv) $(-422k^2l^3)$ (v) $(-421k^2l^3)$

18. The value of $2p^2q^2 \times 9q^2$ is

- (i) $15p^2q^4$ (ii) $19p^2q^4$ (iii) $20p^2q^4$ (iv) $18p^2q^4$ (v) $17p^2q^4$

19. The value of $4uv \times 6uv \times 4tu \times 7tv$ is

- (i) $673t^2u^3v^3$ (ii) $671t^2u^3v^3$ (iii) $670t^2u^3v^3$ (iv) $674t^2u^3v^3$ (v) $672t^2u^3v^3$

20. The value of $(-5)(-4kl+4k)$ is

- (i) $(21kl-20k)$ (ii) $(20kl-22k)$ (iii) $(20kl-20k)$ (iv) $(19kl-20k)$ (v) $(20kl-18k)$

21. The value of $1(-3e+2f^2)$ is

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

22. The value of $5rs(3q^2s - 2qs)$ is

- (i) $(15q^2rs^2 - 8qrs^2)$ (ii) $(14q^2rs^2 - 10qrs^2)$ (iii) $(15q^2rs^2 - 13qrs^2)$ (iv) $(15q^2rs^2 - 10qrs^2)$
(v) $(16q^2rs^2 - 10qrs^2)$

23. The value of $4j(-3i^2jk^2 + 5j - 3k)$ is

- (i) $(-12i^2j^2k^2 + 18j^2 - 12jk)$ (ii) $(-11i^2j^2k^2 + 20j^2 - 12jk)$ (iii) $(-12i^2j^2k^2 + 22j^2 - 12jk)$
(iv) $(-12i^2j^2k^2 + 20j^2 - 12jk)$ (v) $(-13i^2j^2k^2 + 20j^2 - 12jk)$

24. The value of $\frac{1}{2}(\frac{1}{3}g + \frac{1}{2}h)$ is

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

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

- (i) $(i^2 + \frac{1}{10}i)$ (ii) $(\frac{1}{3}i^2 + \frac{3}{10}i)$ (iii) $(\frac{1}{3}i^2 + \frac{1}{10}i)$ (iv) $(\frac{1}{3}i^2 - \frac{1}{10}i)$ (v) $(\frac{1}{5}i^2 + \frac{1}{10}i)$

26. The value of $\frac{1}{2}op(\frac{1}{5}opq^2 + \frac{2}{3}p^2)$ is

- (i) $(\frac{1}{12}o^2p^2q^2 + \frac{1}{3}op^3)$ (ii) $(\frac{1}{10}o^2p^2q^2 + op^3)$ (iii) $(\frac{1}{10}o^2p^2q^2 - \frac{1}{3}op^3)$ (iv) $(\frac{1}{10}o^2p^2q^2 + \frac{1}{3}op^3)$
(v) $(\frac{1}{8}o^2p^2q^2 + \frac{1}{3}op^3)$

27. The value of $\frac{2}{5}jk(\frac{1}{2}jk^2 + \frac{2}{5}j + \frac{1}{2}k)$ is

- (i) $(\frac{1}{3}j^2k^3 + \frac{4}{25}j^2k + \frac{1}{5}jk^2)$ (ii) $(\frac{1}{5}j^2k^3 + \frac{6}{25}j^2k + \frac{1}{5}jk^2)$ (iii) $(\frac{1}{7}j^2k^3 + \frac{4}{25}j^2k + \frac{1}{5}jk^2)$ (iv) $(\frac{1}{5}j^2k^3 + \frac{4}{25}j^2k + \frac{1}{5}jk^2)$
(v) $(\frac{1}{5}j^2k^3 + \frac{2}{25}j^2k + \frac{1}{5}jk^2)$

28. The value of $(-bc - 8b) \times (-9bc + 6b)$ is

- (i) $(9b^2c^2 + 66b^2c - 48b^2)$ (ii) $(9b^2c^2 + 69b^2c - 48b^2)$ (iii) $(10b^2c^2 + 66b^2c - 48b^2)$
(iv) $(8b^2c^2 + 66b^2c - 48b^2)$ (v) $(9b^2c^2 + 63b^2c - 48b^2)$

29. The value of $\frac{3}{4}g \times \frac{2}{3}g$ is

- (i) $\frac{3}{2}g^2$ (ii) $\frac{1}{4}g^2$ (iii) $\frac{1}{2}g^2$ (iv) $(-\frac{1}{2}g^2)$ (v) g^2

30. The value of $\frac{1}{3}cd \times \frac{1}{3}d \times \frac{1}{4}c \times \frac{3}{4}c$ is

- (i) $(-\frac{1}{48}c^3d^2)$ (ii) $\frac{1}{16}c^3d^2$ (iii) $\frac{1}{50}c^3d^2$ (iv) $\frac{1}{48}c^3d^2$ (v) $\frac{1}{46}c^3d^2$

31. The value of $\frac{3}{5}vw^2 \times \frac{1}{4}v^2x^2$ is

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

32. The value of $\frac{4}{5}uv \times \frac{1}{2}tv \times \frac{1}{5}tuv \times \frac{2}{5}tv$ is

- (i) $\frac{4}{125}t^3u^2v^4$ (ii) $\frac{4}{123}t^3u^2v^4$ (iii) $\frac{6}{125}t^3u^2v^4$ (iv) $\frac{2}{125}t^3u^2v^4$ (v) $\frac{4}{127}t^3u^2v^4$

Assignment Key

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