



1. The product of the terms $a, 5, 1, 3, 5$ is
(i) $72a$ (ii) $76a$ (iii) $77a$ (iv) $74a$ (v) $75a$
2. The product of the terms $5no, 5no, (-5o), (-3), 2$ is
(i) $751n^2o^3$ (ii) $749n^2o^3$ (iii) $748n^2o^3$ (iv) $750n^2o^3$ (v) $752n^2o^3$
3. The product of the terms $(-2), 3, 4, (-5), 1$ is
(i) 122 (ii) 121 (iii) 120 (iv) 119 (v) 118
4. The value of $8/m \times (-8/m)$ is
(i) $(-62)^2 m^2$ (ii) $(-66)^2 m^2$ (iii) $(-64)^2 m^2$ (iv) $(-63)^2 m^2$ (v) $(-65)^2 m^2$
5. The value of $(-5gh) \times (-8h) \times 6h \times 4$ is
(i) $959gh^3$ (ii) $961gh^3$ (iii) $962gh^3$ (iv) $958gh^3$ (v) $960gh^3$
6. The value of $2yz^2 \times xy^2z^2$ is
(i) $3xy^3z^4$ (ii) $4xy^3z^4$ (iii) $(-xy^3z^4)$ (iv) xy^3z^4 (v) $2xy^3z^4$
7. The value of $2efg \times 9eg \times (-f) \times 1$ is
(i) $(-19e^2f^2g^2)$ (ii) $(-21e^2f^2g^2)$ (iii) $(-17e^2f^2g^2)$ (iv) $(-18e^2f^2g^2)$ (v) $(-16e^2f^2g^2)$
8. The value of $(-2)(x-4)$ is
(i) $(-2x+6)$ (ii) $(-2x+8)$ (iii) $(-x+8)$ (iv) $(-2x+11)$ (v) $(-3x+8)$
9. The value of $4(2q+4r)$ is
(i) $(8q+16r)$ (ii) $(8q+18r)$ (iii) $(7q+16r)$ (iv) $(8q+14r)$ (v) $(9q+16r)$
10. The value of $(-4t)(4r^2st^2 - 2t)$ is
(i) $(-16r^2st^3 + 8t^2)$ (ii) $(-15r^2st^3 + 8t^2)$ (iii) $(-16r^2st^3 + 5t^2)$ (iv) $(-16r^2st^3 + 11t^2)$
(v) $(-17r^2st^3 + 8t^2)$
11. The value of $5jk(4j^2 + 3jk^2 + 1)$ is
(i) $(20i^2jk + 13j^2k^3 + 5jk)$ (ii) $(21i^2jk + 15j^2k^3 + 5jk)$ (iii) $(20i^2jk + 17j^2k^3 + 5jk)$
(iv) $(19i^2jk + 15j^2k^3 + 5jk)$ (v) $(20i^2jk + 15j^2k^3 + 5jk)$

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

- (i) $(\frac{1}{3}cd + \frac{1}{12}c)$ (ii) $(\frac{1}{3}cd - \frac{1}{12}c)$ (iii) $(\frac{1}{5}cd + \frac{1}{12}c)$ (iv) $(\frac{1}{3}cd + \frac{1}{4}c)$ (v) $(cd + \frac{1}{12}c)$

13. The value of $\frac{1}{5}xy(\frac{3}{5}x^2y^2 + \frac{2}{3}y^2)$ is

- (i) $(\frac{3}{25}x^3y^3 + \frac{2}{15}xy^3)$ (ii) $(\frac{3}{25}x^3y^3 + \frac{4}{15}xy^3)$ (iii) $\frac{3}{25}x^3y^3$ (iv) $(\frac{3}{25}x^3y^3 + \frac{2}{15}xy^3)$ (v) $(\frac{1}{9}x^3y^3 + \frac{2}{15}xy^3)$

14. The value of $\frac{1}{3}oq(\frac{1}{2}o^2p^2q^2 + \frac{1}{3}o^2pq^2)$ is

- (i) $(\frac{1}{4}o^3p^2q^3 + \frac{1}{9}o^3pq^3)$ (ii) $(\frac{1}{6}o^3p^2q^3 - \frac{1}{9}o^3pq^3)$ (iii) $(\frac{1}{6}o^3p^2q^3 + \frac{1}{9}o^3pq^3)$ (iv) $(\frac{1}{6}o^3p^2q^3 + \frac{1}{3}o^3pq^3)$
(v) $(\frac{1}{8}o^3p^2q^3 + \frac{1}{9}o^3pq^3)$

15. The value of $\frac{1}{2}b(\frac{3}{4}a^2b^2c^2 + \frac{2}{3}ac^2 + \frac{1}{2}ac)$ is

- (i) $(\frac{3}{8}a^2b^3c^2 + abc^2 + \frac{1}{4}abc)$ (ii) $(\frac{3}{8}a^2b^3c^2 + \frac{1}{3}abc^2 + \frac{1}{4}abc)$ (iii) $(\frac{3}{8}a^2b^3c^2 - \frac{1}{3}abc^2 + \frac{1}{4}abc)$
(iv) $(\frac{1}{2}a^2b^3c^2 + \frac{1}{3}abc^2 + \frac{1}{4}abc)$ (v) $(\frac{3}{10}a^2b^3c^2 + \frac{1}{3}abc^2 + \frac{1}{4}abc)$

16. The value of $(4vw + 5w) \times (5vw - v)$ is

- (i) $(20v^2w^2 - 4v^2w + 25vw^2 - 5vw)$ (ii) $(19v^2w^2 - 4v^2w + 25vw^2 - 5vw)$
(iii) $(21v^2w^2 - 4v^2w + 25vw^2 - 5vw)$ (iv) $(20v^2w^2 - 2v^2w + 25vw^2 - 5vw)$
(v) $(20v^2w^2 - 7v^2w + 25vw^2 - 5vw)$

17. The value of $(vw^2 + 3vw) \times (v^2w^2 + v^2w)$ is

- (i) $(v^3w^4 + v^3w^3 + 3v^3w^2)$ (ii) $(v^3w^4 + 4v^3w^3 + 3v^3w^2)$ (iii) $(v^3w^4 + 6v^3w^3 + 3v^3w^2)$
(iv) $(2v^3w^4 + 4v^3w^3 + 3v^3w^2)$ (v) $(4v^3w^3 + 3v^3w^2)$

18. The value of $(3h - 5ij + 6) \times (2hij + 9hj + 6h)$ is

- (i) $(5h^2ij + 27h^2j + 18h^2 - 10hi^2j^2 - 45hij^2 - 18hij + 54hj + 36h)$
(ii) $(7h^2ij + 27h^2j + 18h^2 - 10h^2j^2 - 45hij^2 - 18hij + 54hj + 36h)$
(iii) $(6h^2ij + 30h^2j + 18h^2 - 10hi^2j^2 - 45hij^2 - 18hij + 54hj + 36h)$
(iv) $(6h^2ij + 25h^2j + 18h^2 - 10hi^2j^2 - 45hij^2 - 18hij + 54hj + 36h)$
(v) $(6h^2ij + 27h^2j + 18h^2 - 10h^2j^2 - 45hij^2 - 18hij + 54hj + 36h)$

19. The value of $(4mn - 2m) \times (7n + 3) \times (-8n - 5)$ is

- (i) $(-224mn^3 - 122mn^2 + 58mn + 30m)$ (ii) $(-225mn^3 - 124mn^2 + 58mn + 30m)$
(iii) $(-224mn^3 - 127mn^2 + 58mn + 30m)$ (iv) $(-224mn^3 - 124mn^2 + 58mn + 30m)$
(v) $(-223mn^3 - 124mn^2 + 58mn + 30m)$
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20. The value of $\frac{1}{4}n \times \frac{1}{3}no$ is

- (i) $\frac{1}{12}n^2o$ (ii) $\frac{1}{4}n^2o$ (iii) $\frac{1}{10}n^2o$ (iv) $(-\frac{1}{12}n^2o)$ (v) $\frac{1}{14}n^2o$
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21. The value of $\frac{1}{2}j \times \frac{1}{3} \times \frac{2}{3}ij \times \frac{1}{4}j$ is

- (i) $\frac{1}{34}ij^3$ (ii) $\frac{1}{36}ij^3$ (iii) $(-\frac{1}{36}ij^3)$ (iv) $\frac{1}{12}ij^3$ (v) $\frac{1}{38}ij^3$
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22. The value of $\frac{1}{2}o \times \frac{1}{4}mno$ is

- (i) $\frac{1}{6}mno^2$ (ii) $(-\frac{1}{8}mno^2)$ (iii) $\frac{1}{10}mno^2$ (iv) $\frac{1}{8}mno^2$ (v) $\frac{3}{8}mno^2$
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23. The value of $\frac{2}{3}opq \times \frac{1}{2}op \times \frac{4}{5} \times \frac{1}{2}op$ is

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

Assignment Key

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