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

   (i) $4f^3$ (ii) $(-2f^3)$ (iii) $2f^3$ (iv) 0 (v) f^3

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

   (i) $103r^3$ (ii) $98r^3$ (iii) $101r^3$ (iv) $99r^3$ (v) $100r^3$

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

   (i) $(-11y^4)$ (ii) $(-10y^4)$ (iii) $(-8y^4)$ (iv) $(-12y^4)$ (v) $(-9y^4)$

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

   (i) $39z^4$ (ii) $38z^4$ (iii) $40z^4$ (iv) $42z^4$ (v) $41z^4$

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

   (i) $(-14p^2+39p-30)$ (ii) $(-10p^2+39p-30)$ (iii) $(-11p^2+39p-30)$ (iv) $(-13p^2+39p-30)$

   (v) $(-12p^2+39p-30)$

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

   (i) $(-\frac{1}{32}x^5)$ (ii) $\frac{1}{30}x^5$ (iii) $\frac{1}{34}x^5$ (iv) $\frac{1}{32}x^5$ (v) $\frac{3}{32}x^5$

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

   (i) $\frac{3}{40}q^2$ (ii) $\frac{3}{38}q^2$ (iii) $\frac{1}{40}q^2$ (iv) $\frac{1}{8}q^2$ (v) $\frac{1}{14}q^2$

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

   (i) $\frac{1}{14}q^2$ (ii) $\frac{3}{16}q^2$ (iii) $(-\frac{1}{16}q^2)$ (iv) $\frac{1}{18}q^2$ (v) $\frac{1}{16}q^2$

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

   (i) $\frac{1}{3}v^4$ (ii) v^4 (iii) $(-\frac{1}{3}v^4)$ (iv) $\frac{1}{5}v^4$

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

(i) $(-361g^2h)$ (ii) $(-360g^2h)$ (iii) $(-359g^2h)$ (iv) $(-358g^2h)$ (v) $(-362g^2h)$

11. The product of the terms $3h, (-4hi), (-3hi), 4, (-1)$ is

(i) $(-146h^3i^2)$ (ii) $(-142h^3i^2)$ (iii) $(-144h^3i^2)$ (iv) $(-143h^3i^2)$ (v) $(-145h^3i^2)$

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

(i) (-89) (ii) (-90) (iii) (-92) (iv) (-88) (v) (-91)

13. The value of $(-8h) \times 5h$ is

(i) $(-37h^2)$ (ii) $(-43h^2)$ (iii) $(-40h^2)$ (iv) $(-39h^2)$ (v) $(-41h^2)$

14. The value of $(-9) \times (-9j) \times (-2) \times 5jk$ is

(i) $(-812j^2k)$ (ii) $(-811j^2k)$ (iii) $(-809j^2k)$ (iv) $(-810j^2k)$ (v) $(-808j^2k)$

15. The value of $4m^2o^2 \times m^2n^2o$ is

(i) $3m^4n^2o^3$ (ii) $5m^4n^2o^3$ (iii) $m^4n^2o^3$ (iv) $7m^4n^2o^3$ (v) $4m^4n^2o^3$

16. The value of $5 \times 5m \times 9n \times 8m$ is

(i) $1797m^2n$ (ii) $1803m^2n$ (iii) $1799m^2n$ (iv) $1801m^2n$ (v) $1800m^2n$

17. The value of $(-5)(5i-4j)$ is

(i) $(-25i+17j)$ (ii) $(-25i+23j)$ (iii) $(-25i+20j)$ (iv) $(-24i+20j)$ (v) $(-26i+20j)$

18. The value of $4ij(5i+2j)$ is

(i) $(20i^2j+5ij^2)$ (ii) $(20i^2j+10ij^2)$ (iii) $(21i^2j+8ij^2)$ (iv) $(20i^2j+8ij^2)$ (v) $(19i^2j+8ij^2)$

19. The value of $(-wy)(wx^2-2wx)$ is

(i) $(-w^2x^2y+4w^2xy)$ (ii) $(-w^2x^2y+2w^2xy)$ (iii) $(-w^2x^2y)$ (iv) $2w^2xy$ (v) $(-2w^2x^2y+2w^2xy)$

20. The value of $4ac(-4a^2b^2c^2+a^2c^2-5a^2c)$ is

(i) $(-15a^3b^2c^3+4a^3c^3-20a^3c^2)$ (ii) $(-16a^3b^2c^3+4a^3c^3-20a^3c^2)$

(iii) $(-17a^3b^2c^3+4a^3c^3-20a^3c^2)$ (iv) $(-16a^3b^2c^3+7a^3c^3-20a^3c^2)$

(v) $(-16a^3b^2c^3+a^3c^3-20a^3c^2)$

21. The value of $\frac{2}{3}(\frac{4}{5}b+\frac{1}{3})$ is

(i) $\frac{8}{15}b$ (ii) $(\frac{8}{13}b+\frac{2}{9})$ (iii) $(\frac{8}{15}b+\frac{2}{9})$ (iv) $(\frac{8}{17}b+\frac{2}{9})$ (v) $(\frac{8}{15}b+\frac{4}{9})$

22. The value of $\frac{1}{2}ij\left(\frac{1}{3}ij+\frac{2}{5}i\right)$ is

(i) $\left(\frac{1}{6}i^2j^2+\frac{3}{5}i^2j\right)$ (ii) $\left(\frac{1}{6}i^2j^2+\frac{1}{5}i^2j\right)$ (iii) $\left(\frac{1}{8}i^2j^2+\frac{1}{5}i^2j\right)$ (iv) $\left(\frac{1}{4}i^2j^2+\frac{1}{5}i^2j\right)$ (v) $\left(\frac{1}{6}i^2j^2-\frac{1}{5}i^2j\right)$

23. The value of $\frac{1}{3}fg\left(\frac{1}{2}f+\frac{2}{5}\right)$ is

(i) $\frac{1}{6}f^2g$ (ii) $\left(\frac{1}{6}f^2g+\frac{4}{15}fg\right)$ (iii) $\left(\frac{1}{8}f^2g+\frac{2}{15}fg\right)$ (iv) $\left(\frac{1}{4}f^2g+\frac{2}{15}fg\right)$ (v) $\left(\frac{1}{6}f^2g+\frac{2}{15}fg\right)$

24. The value of $\frac{1}{2}r\left(\frac{1}{3}r^2st+\frac{1}{2}rs^2t^2+\frac{1}{2}rt^2\right)$ is

(i) $\left(\frac{1}{6}r^3st+\frac{3}{4}r^2s^2t^2+\frac{1}{4}r^2t^2\right)$ (ii) $\left(\frac{1}{6}r^3st-\frac{1}{4}r^2s^2t^2+\frac{1}{4}r^2t^2\right)$ (iii) $\left(\frac{1}{8}r^3st+\frac{1}{4}r^2s^2t^2+\frac{1}{4}r^2t^2\right)$

(iv) $\left(\frac{1}{6}r^3st+\frac{1}{4}r^2s^2t^2+\frac{1}{4}r^2t^2\right)$ (v) $\left(\frac{1}{4}r^3st+\frac{1}{4}r^2s^2t^2+\frac{1}{4}r^2t^2\right)$

25. The value of $(-9c-3)\times(6b+5c)$ is

(i) $(-54bc-16b-45c^2-15c)$ (ii) $(-55bc-18b-45c^2-15c)$ (iii) $(-54bc-20b-45c^2-15c)$

(iv) $(-53bc-18b-45c^2-15c)$ (v) $(-54bc-18b-45c^2-15c)$

26. The value of $\frac{1}{3}f\times\frac{1}{4}g$ is

(i) $\frac{1}{10}fg$ (ii) $\left(-\frac{1}{12}fg\right)$ (iii) $\frac{1}{12}fg$ (iv) $\frac{1}{14}fg$ (v) $\frac{1}{4}fg$

27. The value of $\frac{3}{5}h\times\frac{1}{3}\times\frac{1}{2}i\times\frac{2}{3}i$ is

(i) $\left(-\frac{1}{15}hi^2\right)$ (ii) $\frac{1}{17}hi^2$ (iii) $\frac{1}{15}hi^2$ (iv) $\frac{1}{5}hi^2$ (v) $\frac{1}{13}hi^2$

28. The value of $\frac{3}{4}y^2\times\frac{1}{3}xy^2$ is

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

29. The value of $\frac{1}{2}lm\times\frac{3}{4}ln\times\frac{3}{5}l\times\frac{2}{3}mn$ is

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

Assignment Key

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

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