EduSahara™ Learning Center Assignment

Grade : Class VIII, SSC
Chapter : Algebraic Expressions
Name : Multiplication
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1. The value of $d \times d \times d$ is

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

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

   (i) $17j^3$ (ii) $18j^3$ (iii) $19j^3$ (iv) $20j^3$ (v) $15j^3$

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3. The value of $(-8t) \times (-7t^2)$ is

   (i) $59t^3$ (ii) $55t^3$ (iii) $56t^3$ (iv) $57t^3$ (v) $53t^3$

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

   (i) $41j^5$ (ii) $42j^5$ (iii) $40j^5$ (iv) $39j^5$ (v) $37j^5$

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5. The value of $(g-6) \times (-2g+6)$ is

   (i) $(18g-36)$ (ii) $(-2g^2+18g-36)$ (iii) $(-g^2+18g-36)$

   (iv) $(-3g^2+18g-36)$ (v) $(-5g^2+18g-36)$

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6. The value of $(-g^2+4g+7) \times (-5g^2+6g-5)$ is

   (i) $(2g^4-26g^3-6g^2+22g-35)$

(ii) $(5g^4 - 26g^3 - 6g^2 + 22g - 35)$

(iii) $(6g^4 - 26g^3 - 6g^2 + 22g - 35)$

(iv) $(4g^4 - 26g^3 - 6g^2 + 22g - 35)$

(v) $(8g^4 - 26g^3 - 6g^2 + 22g - 35)$

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7. The value of $(5h^2 + 4h - 4) \times (3h^2 + 6h - 8)$ is

(i) $(14h^4 + 42h^3 - 28h^2 - 56h + 32)$

(ii) $(16h^4 + 42h^3 - 28h^2 - 56h + 32)$

(iii) $(15h^4 + 42h^3 - 28h^2 - 56h + 32)$

(iv) $(18h^4 + 42h^3 - 28h^2 - 56h + 32)$

(v) $(12h^4 + 42h^3 - 28h^2 - 56h + 32)$

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8. The value of $(6n^2 - 3) \times (9n^2 - n) \times (5n^2 - 9)$ is

(i) $(268n^6 - 30n^5 - 621n^4 + 69n^3 + 243n^2 - 27n)$

(ii) $(269n^6 - 30n^5 - 621n^4 + 69n^3 + 243n^2 - 27n)$

(iii) $(271n^6 - 30n^5 - 621n^4 + 69n^3 + 243n^2 - 27n)$

(iv) $(270n^6 - 30n^5 - 621n^4 + 69n^3 + 243n^2 - 27n)$

(v) $(273n^6 - 30n^5 - 621n^4 + 69n^3 + 243n^2 - 27n)$

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

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

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

(i) $\frac{1}{88}k^2$ (ii) $\frac{1}{92}k^2$ (iii) $\frac{1}{90}k^2$ (iv) $(-\frac{1}{90}k^2)$ (v) $\frac{1}{30}k^2$

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11. The value of $\frac{1}{2}s \times \frac{1}{2}s^2$ is

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

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

(i) $\frac{1}{5}a^4$ (ii) $\frac{1}{15}a^4$ (iii) $\frac{1}{17}a^4$ (iv) $\frac{1}{13}a^4$ (v) $(-\frac{1}{15}a^4)$

Assignment Key

1) (ii)
2) (ii)
3) (iii)
4) (iii)
5) (ii)
6) (ii)
7) (iii)
8) (iv)
9) (iii)
10) (iii)
11) (iv)
12) (ii)