EduSahara™ Assignment

Name : Exponential and Product Form

Chapter : Fundamental Concepts of Algebra

Grade : ICSE Grade VI

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1. The expanded form of $(2m)^3$ is

   (i) $2m \times 2m \times 2m \times 2m$ (ii) $2m \times 2m$ (iii) $2m$ (iv) $2m \times 2m \times 2m \times 2m \times 2m$ (v) $2m \times 2m \times 2m$

2. The expanded form of $(\frac{1}{3}p)^3$ is

   (i) $\frac{1}{3}p$ (ii) $\frac{1}{3}p \times \frac{1}{3}p$ (iii) $\frac{1}{3}p \times \frac{1}{3}p \times \frac{1}{3}p \times \frac{1}{3}p$ (iv) $\frac{1}{3}p \times \frac{1}{3}p \times \frac{1}{3}p \times \frac{1}{3}p \times \frac{1}{3}p$ (v) $\frac{1}{3}p \times \frac{1}{3}p \times \frac{1}{3}p$

3. The expanded form of $(-5ab)^3$ is

   (i) $(-5ab)$ (ii) $(-5ab) \times (-5ab) \times (-5ab) \times (-5ab) \times (-5ab)$ (iii) $(-5ab) \times (-5ab) \times (-5ab)$

   (iv) $(-5ab) \times (-5ab) \times (-5ab) \times (-5ab)$ (v) $(-5ab) \times (-5ab)$

4. The expanded form of $(\frac{1}{2}uv)^3$ is

   (i) $\frac{1}{2}uv$ (ii) $\frac{1}{2}uv \times \frac{1}{2}uv \times \frac{1}{2}uv \times \frac{1}{2}uv$ (iii) $\frac{1}{2}uv \times \frac{1}{2}uv \times \frac{1}{2}uv$ (iv) $\frac{1}{2}uv \times \frac{1}{2}uv \times \frac{1}{2}uv \times \frac{1}{2}uv \times \frac{1}{2}uv$ (v) $\frac{1}{2}uv \times \frac{1}{2}uv$

5. $c^4 =$

   (i) $c \times c \times c$ (ii) $c \times c \times c \times c$ (iii) $-2 \times c \times c \times c \times c$ (iv) $4 \times c \times c \times c \times c$ (v) $c \times c \times c \times c \times c$

6. $e^2 f^2 =$

   (i) $-2 \times e \times e \times f \times f$ (ii) $3 \times e \times e \times f \times f$ (iii) $e \times f \times f$ (iv) $e \times e \times e \times f \times f$ (v) $e \times e \times f \times f$

7. $d^2 e^3 f^2 =$

   (i) $d \times d \times e \times e \times e \times f \times f$ (ii) $d \times d \times d \times e \times e \times e \times f \times f$ (iii) $3 \times d \times d \times e \times e \times e \times f \times f$ (iv) $d \times e \times e \times e \times f \times f$

   (v) $-2 \times d \times d \times e \times e \times e \times f \times f$

8. $f \times f \times f =$

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

9. $n \times n \times o \times o \times o \times o =$

   (i) $n^3 o^4$ (ii) no^4 (iii) $-n^2 o^4$ (iv) $3n^2 o^4$ (v) $n^2 o^4$

10. $i \times i \times i \times i \times j \times j \times j \times j \times k \times k \times k \times k =$

    (i) $3i^4 j^4 k^4$ (ii) $-2i^4 j^4 k^4$ (iii) $i^3 j^4 k^4$ (iv) $i^4 j^4 k^4$ (v) $i^5 j^4 k^4$

Assignment Key

1) (v)	2) (v)	3) (iii)	4) (iii)	5) (ii)	6) (v)
7) (i)	8) (v)	9) (v)	10) (iv)		

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