



1. The expanded form of $(4x)^3$ is

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

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

- (i) $\frac{1}{4}j \times \frac{1}{4}j$ (ii) $\frac{1}{4}j \times \frac{1}{4}j \times \frac{1}{4}j$ (iii) $\frac{1}{4}j \times \frac{1}{4}j \times \frac{1}{4}j \times \frac{1}{4}j$ (iv) $\frac{1}{4}j \times \frac{1}{4}j \times \frac{1}{4}j \times \frac{1}{4}j \times \frac{1}{4}j$ (v) $\frac{1}{4}j$

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

- (i) $(-3bc)$ (ii) $(-3bc) \times (-3bc) \times (-3bc)$ (iii) $(-3bc) \times (-3bc) \times (-3bc) \times (-3bc)$
(iv) $(-3bc) \times (-3bc) \times (-3bc) \times (-3bc) \times (-3bc)$ (v) $(-3bc) \times (-3bc)$

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

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

5. The expanded form of $(-xy+y)^3$ is

- (i) $(-xy+y) \times (-xy+y) \times (-xy+y) \times (-xy+y)$ (ii) $(-xy+y) \times (-xy+y) \times (-xy+y)$
(iii) $(-xy+y) \times (-xy+y) \times (-xy+y) \times (-xy+y) \times (-xy+y)$ (iv) $(-xy+y) \times (-xy+y)$ (v) $(-xy+y)$

6. The expanded form of $(\frac{1}{2}ef + \frac{22}{15}e)^3$ is

- (i) $(\frac{1}{2}ef + \frac{22}{15}e)$ (ii) $(\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e)$
(iii) $(\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e)$
(iv) $(\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e)$ (v) $(\frac{1}{2}ef + \frac{22}{15}e) \times (\frac{1}{2}ef + \frac{22}{15}e)$

7. The expanded form of $(-3m)^3$ is

- (i) $(-3m) \times (-3m) \times (-3m)$ (ii) $(-3m) \times (-3m) \times (-3m) \times (-3m) \times (-3m)$
(iii) $(-3m) \times (-3m) \times (-3m) \times (-3m)$ (iv) $(-3m)$ (v) $(-3m) \times (-3m)$

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

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

9. The expanded form of $(-3vw)^3$ is

- (i) $(-3vw)$ (ii) $(-3vw) \times (-3vw) \times (-3vw) \times (-3vw)$ (iii) $(-3vw) \times (-3vw) \times (-3vw)$
(iv) $(-3vw) \times (-3vw)$ (v) $(-3vw) \times (-3vw) \times (-3vw) \times (-3vw) \times (-3vw)$

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

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

11. The expanded form of $(2k-5)^3$ is

- (i) $(2k-5)$ (ii) $(2k-5) \times (2k-5)$ (iii) $(2k-5) \times (2k-5) \times (2k-5) \times (2k-5) \times (2k-5)$
(iv) $(2k-5) \times (2k-5) \times (2k-5)$ (v) $(2k-5) \times (2k-5) \times (2k-5) \times (2k-5)$

12. The expanded form of $(\frac{1}{3}tu + \frac{2}{5})^3$ is

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

Assignment Key

1) (iii)

2) (ii)

3) (ii)

4) (iv)

5) (ii)

6) (ii)

7) (i)

8) (i)

9) (iii)

10) (iv)

11) (iv)

12) (iii)

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