

EduSahara™ Learning Center Assignment**Grade : Class VII, ICSE****Chapter : Powers and Roots****Name : Powers and Roots Miscellaneous****Licensed To : Teachers and Students for non-commercial use**

Find the exponential notation of

1. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$

(i) 2^9 (ii) 5^8 (iii) 2^7 (iv) $(-1)^8$ (v) 2^8

Find the exponential notation of

2. $-5 \times -5 \times -5 \times -5 \times -5 \times -5 \times -5$

(i) $(-5)^8$ (ii) $(-5)^7$ (iii) $(-2)^7$ (iv) $(-5)^6$ (v) $(-8)^7$

Find the exponential notation of

3. $-11 \times -11 \times -11 \times -11 \times -11$

(i) $(-11)^5$ (ii) $(-13)^5$ (iii) $(-11)^6$ (iv) $(-9)^5$ (v) $(-11)^4$

Find the exponential notation of

4. $13 \times 13 \times 13 \times 13 \times 13 \times 13$

(i) 13^5 (ii) 13^7 (iii) 10^6 (iv) 15^6 (v) 13^6

5. $-1^2 =$

(i) -1 (ii) undefined (iii) 1 (iv) ∞ (v) 0

6. $-1^7 =$

(i) 1 (ii) 0 (iii) -1 (iv) undefined (v) ∞

7. $2^0 =$

(i) 0 (ii) 1 (iii) -1 (iv) undefined (v) ∞

8. $0^0 =$

(i) 0 (ii) 1 (iii) undefined (iv) -1 (v) ∞

9. $-5^0 =$

(i) ∞ (ii) 0 (iii) -1 (iv) undefined (v) 1

10. $0^3 =$

(i) 1 (ii) ∞ (iii) undefined (iv) 0 (v) -1

11. $\sqrt{\frac{49}{225}} =$

(i) $\frac{7}{15}$ (ii) $\frac{7}{13}$ (iii) $\frac{3}{5}$ (iv) $\frac{1}{3}$ (v) $\frac{7}{17}$

Assignment Key

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