

EduSahara™ Learning Center Assignment**Grade : Class VII, SSC****Chapter : Exponents****Name : Concepts****Licensed To : Teachers and Students for non-commercial use**

1. The base in the term 6^9 is

(i) -6 (ii) -9 (iii) 6 (iv) 9 (v) 3

2. The exponent in the term 8^4 is

(i) 4 (ii) 8 (iii) -8 (iv) -4 (v) 1

3. The power in the term 8^4 is

(i) 2 (ii) -8 (iii) 8 (iv) 4 (v) -4

4. The base in the term $\left(\frac{3}{2}\right)^7$ is

(i) $\frac{3}{2}$ (ii) -7 (iii) 7 (iv) $\frac{1}{2}$ (v) $\left(-\frac{3}{2}\right)$

5. The exponent in the term $\left(\frac{8}{5}\right)^6$ is

(i) 6 (ii) 4 (iii) -6 (iv) $\left(-\frac{8}{5}\right)$ (v) $\frac{8}{5}$

6. The power in the term $\left(\frac{5}{3}\right)^3$ is

(i) -3 (ii) $\left(-\frac{5}{3}\right)$ (iii) 0 (iv) $\frac{5}{3}$ (v) 3

7. The base in the term $\left(\frac{9}{7}\right)$ is

4

- (i) $(-\frac{9}{7})$ (ii) 1 (iii) $\frac{9}{7}$ (iv) 4 (v) -4
-

$$\left(\frac{9}{2}\right)$$

8. The exponent in the term $6^{\left(\frac{9}{2}\right)}$ is

- (i) -6 (ii) $\frac{7}{2}$ (iii) 6 (iv) $(-\frac{9}{2})$ (v) $\frac{9}{2}$
-

$$\left(\frac{7}{6}\right)$$

9. The power in the term $3^{\left(\frac{7}{6}\right)}$ is

- (i) 3 (ii) $\frac{7}{6}$ (iii) $(-\frac{7}{6})$ (iv) -3 (v) $\frac{5}{6}$
-

$$\left(\frac{9}{2}\right)$$

10. The base in the term $\left(\frac{5}{3}\right)^{\left(\frac{9}{2}\right)}$ is

- (i) 1 (ii) $(-\frac{5}{3})$ (iii) $\frac{9}{2}$ (iv) $\frac{5}{3}$ (v) $(-\frac{9}{2})$
-

$$\left(\frac{9}{8}\right)$$

11. The exponent in the term $\left(\frac{7}{6}\right)^{\left(\frac{9}{8}\right)}$ is

- (i) $(-\frac{7}{6})$ (ii) $(-\frac{9}{8})$ (iii) $\frac{7}{6}$ (iv) $\frac{9}{8}$ (v) $\frac{7}{8}$
-

$$\left(\frac{7}{3}\right)$$

12. The power in the term $6^{\left(\frac{7}{3}\right)}$ is

- (i) -6 (ii) $\frac{5}{3}$ (iii) $\frac{7}{3}$ (iv) $\frac{6}{1}$ (v) $(-\frac{7}{3})$
-

13. $17h^3 =$

(i) $17 \times h \times h$

(ii) $14 \times h \times h \times h$

(iii) $17 \times h \times h \times h \times h$

(iv) $17 \times h \times h \times h$

(v) $20 \times h \times h \times h$

14. $k^2 l^2 =$

(i) $k \times l \times l$

(ii) $3 \times k \times k \times l \times l$

(iii) $k \times k \times k \times l \times l$

(iv) $k \times k \times l \times l$

(v) $-2 \times k \times k \times l \times l$

15. $15j^2 k^2 l^3 =$

(i) $15 \times j \times j \times k \times k \times l \times l \times l$

(ii) $15 \times j \times k \times k \times l \times l \times l$

(iii) $13 \times j \times j \times k \times k \times l \times l \times l$

(iv) $15 \times j \times j \times j \times k \times k \times l \times l \times l$

(v) $17 \times j \times j \times k \times k \times l \times l \times l$

16. $26 \times n \times n \times n \times n =$

(i) $26n^4$

(ii) $24n^4$

(iii) $26n^3$

(iv) $26n^5$

(v) $28n^4$

17. $22 \times p \times p \times p \times q \times q \times q =$

(i) $24p^3q^3$

(ii) $22p^3q^3$

(iii) $22p^2q^3$

(iv) $22p^4q^3$

(v) $20p^3q^3$

18. $29 \times g \times g \times h \times h \times h \times i \times i =$

(i) $32g^2h^3i^2$

(ii) $29g^2h^3i^2$

(iii) $29g^3h^3i^2$

(iv) $29gh^3i^2$

(v) $27g^2h^3i^2$

19. The expanded form of $(e)^3$ is

(i) $e \times e \times e$

(ii) $e \times e \times e \times e$

(iii) e

(iv) $e \times e$

(v) $e \times e \times e \times e \times e$

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

(i) $\frac{1}{2}v \times \frac{1}{2}v \times \frac{1}{2}v$

(ii) $\frac{1}{2}v \times \frac{1}{2}v$

(iii) $\frac{1}{2}v \times \frac{1}{2}v \times \frac{1}{2}v \times \frac{1}{2}v \times \frac{1}{2}v$

(iv) $\frac{1}{2}v$

(v) $\frac{1}{2}v \times \frac{1}{2}v \times \frac{1}{2}v \times \frac{1}{2}v$

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

(i) $3ab$

(ii) $3ab \times 3ab \times 3ab \times 3ab$

(iii) $3ab \times 3ab \times 3ab$

(iv) $3ab \times 3ab \times 3ab \times 3ab \times 3ab$

(v) $3ab \times 3ab$

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

(i) $\frac{2}{3}qr \times \frac{2}{3}qr$

(ii) $\frac{2}{3}qr \times \frac{2}{3}qr \times \frac{2}{3}qr$

(iii) $\frac{2}{3}qr$

(iv) $\frac{2}{3}qr \times \frac{2}{3}qr \times \frac{2}{3}qr \times \frac{2}{3}qr \times \frac{2}{3}qr$

(v) $\frac{2}{3}qr \times \frac{2}{3}qr \times \frac{2}{3}qr \times \frac{2}{3}qr$

Assignment Key

- 1) (iii)
- 2) (i)
- 3) (iv)
- 4) (i)
- 5) (i)
- 6) (v)
- 7) (iv)
- 8) (v)
- 9) (ii)
- 10) (iv)
- 11) (iv)
- 12) (iii)
- 13) (iv)
- 14) (iv)
- 15) (i)
- 16) (i)
- 17) (ii)
- 18) (ii)
- 19) (i)
- 20) (i)
- 21) (iii)
- 22) (ii)