

Class 8 Maths Chapter 12 Exponents and Powers MCQs

1. $a^m \times a^n = ?$

- A. a^{m+n}
- B. a^{mn}
- C. $a^{m/n}$
- D. $1/a^{mn}$

2. $4 \times 4 \times 4 \times 4 \times 4 = ?$

- A. 4^3
- B. 4^4
- C. 4^5
- D. 4^6

3. The multiplicative inverse of 3^{-2} is:

- A. $\frac{1}{3}$
- B. 3^2
- C. 3
- D. 1

4. $10^4 \times 10^{-2} = ?$

- A. 10^{-2}
- B. 10^4
- C. 10^2
- D. 10

5. $5^2 \times 5^{-4} \times 5^5$ is equal to

- A. 5
- B. 5^2
- C. 5^3
- D. 5^5

6. $(2^{-1} + 3^{-1} + 5^{-1})^0 = ?$

- A. 2
- B. 3
- C. 5
- D. 1

7. $(-1)^{21}$ is equal to

- A. -1
- B. 1
- C. 21
- D. -21

8. 0.00002275 is equal to

- A. 2.275×10^{-5}
- B. 2.275×10^{-3}
- C. 2.275×10^4
- D. 2.275×10^3

9. Find the value of $(\frac{3}{2})^{-2}$.

- A. $\frac{9}{4}$
- B. $\frac{4}{9}$
- C. $\frac{2}{3}$
- D. $\frac{3}{2}$

10. Express in standard form: 4050000

- A. 4.05×10^4
- B. 4.05×10^5
- C. 4.05×10^6
- D. 4.05×10^7

*****Answer Key*****

- 1. A
- 2. D
- 3. B
- 4. C
- 5. C
- 6. D
- 7. A
- 8. A
- 9. B
- 10. C