

1 Cari nilai bagi 2^6 .

Find the value of 2^6 .

A 12

B 32

C 64

D 72

2 $x^{\frac{5}{4}} =$

A $\sqrt[4]{x^5}$

B $\sqrt[5]{x^4}$

C $\frac{1}{\sqrt[4]{x^5}}$

D $\frac{1}{\sqrt[5]{x^4}}$

3 $\left(-\frac{1}{4}\right)^5 =$

A $-\frac{1}{20}$

B $-\frac{1}{1024}$

C $\frac{1}{20}$

D $\frac{1}{1024}$

4 $\sqrt[3]{27^4} = a^{\frac{b}{c}}$

A $a = 3, b = 27, c = 4$

B $a = 3, b = 4, c = 27$

C $a = 27, b = 4, c = 3$

D $a = 27, b = 3, c = 4$

5 Antara berikut yang manakah tidak bersamaan dengan 64?

Which of the following is not equal to 64?

A 2^6

B 4^3

C 8^2

D 3^4

6 $(-3)^2 \times \left(\frac{1}{6}\right)^3 =$

A $\frac{1}{8}$

B $\frac{1}{12}$

C $\frac{1}{24}$

D $\frac{1}{36}$

7 $2m^3 \times 3m^4 =$

A $5m^7$

B $5m^{12}$

C $6m^7$

D $6m^{12}$

8 Jika $p^x \times p^3 \times p^2 = \frac{1}{p}$, maka $x =$

If $p^x \times p^3 \times p^2 = \frac{1}{p}$, therefore $x =$

A -6

B -1

C 0

D 1

9 $3^4 \div 3^2 =$

- A 3
- B 9
- C 729
- D 6561

10 Permudahkan.

Simplify.

$$\frac{p^3 q^5 \times p^2}{pq^3}$$

- A $p^4 q^2$
- B $p^4 q^8$
- C $p^5 q^2$
- D $p^5 q^8$

11 Diberi $20^4 = m \times 10^n$. Apakah nilai m dan n ?

Given that $20^4 = m \times 10^n$. What are the values of m and n ?

	m	n
A	1.6	4
B	1.6	5
C	2.0	4
D	2.0	5

12 $(-2)^2 \div (-2)^3 \div (-2)^5 =$

- A $(-2)^{10}$
- B $(-2)^{30}$
- C $\frac{1}{(-2)^6}$
- D $\frac{1}{(-2)^{-10}}$

13 $16^m = 32$. Apakah nilai m ?

$16^m = 32$. What is the value of m ?

A $\frac{3}{2}$

B $\frac{5}{2}$

C $\frac{3}{4}$

D $\frac{5}{4}$

14 $(2187)^{\frac{3}{7}} \times 6^{-2} =$

A $\frac{3}{4}$

B $1\frac{1}{2}$

C $2\frac{1}{4}$

D $4\frac{1}{2}$

15 Diberi $3m^2 \times 4^2m^n = 48m^6$, cari nilai n .

Given that $3m^2 \times 4^2m^n = 48m^6$, find the value of n .

A 2

B 3

C 4

D 5

16 $(\sqrt[3]{64^4})^{\frac{1}{2}} =$

A 8

B 12

C 16

D 20

17 $(1\frac{1}{2})^2 - (-2)^3 =$

A $3\frac{1}{2}$

B $5\frac{1}{2}$

C $8\frac{3}{42}$

D $10\frac{1}{4}$

18 $8m^2 \times \frac{1}{4}m^3 \times \frac{1}{m^6} =$

A $\frac{2}{m}$

B $\frac{1}{2m}$

C $\frac{2}{m^2}$

D $\frac{1}{2m^2}$