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Spardhaguru Current affairs



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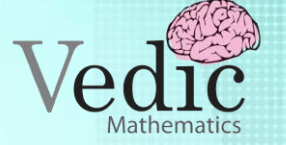
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1) What is the value of $16^{\frac{5}{4}}$?

[Uttarakhand Patwari 2016]

- a) 64
c) 48
b) 32
d) None of these

2) Find the value of (?) $4^8 \div 64 \times \sqrt{256} = 4^?$

[IBPS Clerk (Pre) 2017]

- a) 3
c) 4
e) 9
b) 5
d) 7

3) The value of $\sqrt[5]{0.000729}$ is [SSC MTS 2013]

- a) 0.27
c) 0.03
b) 0.3
d) 0.09

4) Find the value of (?) $7^3 \times 49^2 \div 343 = 7^?$

[OBC Clerk 2011]

- a) 5
c) 7
e) None of these
b) 6
d) 4

5) Find the value of question mark (?) $\frac{?^{1.8}}{32} = \frac{16}{?^{1.2}}$

[IBPS Clerk 2011]

- a) 16
c) 2
e) 8
b) 64
d) 4

6) Find the value of (?) $\frac{?^{1.6}}{24} = \frac{9}{?^{1.4}}$

- a) 8
c) 6
b) 14
d) 12

7) If $\sqrt{5}^7 \div \sqrt{5}^5 = 5^P$, then the value of 'P' is

[SSC CPO 2010]

- a) 5
c) $\frac{3}{2}$
b) 2
d) 1

8) The value of $\frac{1+\sqrt{2}}{\sqrt{5}+\sqrt{3}} + \frac{1-\sqrt{2}}{\sqrt{5}-\sqrt{3}}$ is

- a) $\sqrt{5} + \sqrt{6}$
c) $\sqrt{5} - \sqrt{6}$
b) $2\sqrt{5} + \sqrt{6}$
d) $2\sqrt{5} - 3\sqrt{6}$

9) Find the value of question mark (?)

$$25^{2.7} \times 5^{4.2} \div 5^{6.4} = 25^?$$

- a) 1.7
c) 1.6
b) 3.2
d) 3.6

10) Find the value of question mark (?)

$$0.064^2 \times 0.16^2 \div 0.4^7 = 0.4^?$$

- a) 2
c) 4
b) 3
d) 5

11) If $64^{12} \div 4^{18} = 64^?$, then find the value of question mark (?)

[SSC MTS 2010]

- a) 9
c) 12
b) 3
d) 6

12) If $0.04^2 \div 0.0008 \times 0.2^6 = 0.2^?$, then the value of question mark (?) is

- a) 6
c) 8
e) None of these
b) 5
d) 9

13) Find the value of question mark (?)

$$0.81^2 \div 0.729^3 \times 0.9^2 = 0.9^? - 3$$

- a) 6
c) 4
b) 2
d) 0

14) If $0.064 \times 0.4^7 = 0.4^? \times 0.0256^2$, then the value of question mark (?) is

- a) 17
c) 18
b) 2
d) 3

15) Find the value of question mark

$$64^4 \times 8^5 \div 512 = 8^?$$

- a) 6
b) 4





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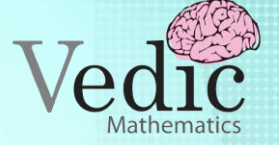
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c) 12

d) 10

16) If $0.64^4 \div 0.512^3 \times 0.8^4 = 0.8^{?+3}$, then the value of question mark (?)

a) 6

b) 12

c) 0

d) 6

17) Find the value of question mark $\frac{7^2 \times 7^6}{7^3} = 7^?$

a) 11

b) 7

c) 6

d) 5

18) Find the value of question mark

$$(4 \times 4)^3 \div (512 \div 8)^4 \times (32 \times 8)^4 = (2 \times 2)^{?+4}$$

a) 8

b) 12

c) 6

d) 14

19) The value of $\frac{81^{3.6} \times 9^{2.7}}{81^{4.2} \times 3}$ is [SSC CGL 2012]

a) 5

b) 3

c) 2

d) 4

20) What is the value of x in $9\sqrt{x} = \sqrt{12} + \sqrt{147}$?

[SSC CPO 2017]

a) 5

b) 3

c) 2

d) 4

21) If $x = \sqrt{125} \times \sqrt{30} \times \sqrt{6}$, Then 'x' is

[RRB ALP 2019]

a) 125

b) 175

c) 136

d) 150

22) What is the value of x in $13^{\sqrt{x}} = 4^4 - 3^4 - 6$?

[UPPSC Revenue Inspector 2017]

a) 3

b) 4

c) 6

d) 7

23) What will come in the place of question mark (?)

$$7\sqrt{7} \times 7^3 \div 7^? = 7^7$$

[RBI Assist 2017]

a) 2.5

b) 3.5

c) -2.5

d) -3.5

e) 5

24) If $3^{x+8} = 27^{2x+1}$, then the value of x is

[BPSC Pre 2018]

a) 9

b) 1

c) -1

d) 10

e) -10

25) If $\frac{9^{\frac{3}{2}} \times 81^{\frac{2}{4}}}{27^{\frac{2}{3}}} = 3^x$, then the value of x is

[HP Patwari 2017]

a) 3

b) 2

c) 4

d) 1

26) Find the value of question mark

$$6^5 \times 36^2 \times 1269 = 6^?$$

a) 13

b) 12

c) 14

d) 11

e) None of these

27) If $\sqrt{3^n} = 81$, then n = ?

[CGPSC Pre 2019]

a) 81

b) 9

c) 8

d) 6

28) If $\sqrt{3^5} \times 9^2 = 3^x \times 3\sqrt{3}$, then the value of x is

a) 2

b) 3

c) 4

d) 5

29) Find the value of question mark

$$(4 \times 4 \times 4 \times 4 \times 4 \times 4)^5 \times (4 \times 4 \times 4)^8 \div 4^3 = 64^?$$

a) 17

b) 10

c) 16

d) 11





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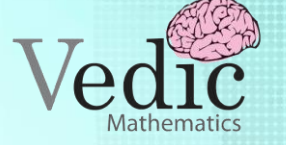
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30) If $(5 \times 5 \times 5 \times 5 \times 5)^4 \times (5 \times 5)^6 \div 5^2 = 25^?$, then the value of question mark (?) is

- a) 10
b) 17
c) 19
d) 12
e) None of these

31) If $(6 \times 6 \times 6 \times 6 \times 6)^7 \times (6 \times 6 \times 6)^5 \div 6^3 = 216^x$, find the value of 'x'

- a) 15
b) 13
c) 21
d) 18

32) If $\left(\frac{3}{5}\right)^3 \left(\frac{3}{5}\right)^{-6} = \left(\frac{3}{5}\right)^{2x-1}$ then x is equal to
[SSC CGL 2010]

- a) -2
b) 2
c) -1
d) 1

33) If $\left(\frac{x}{y}\right)^{5a-3} = \left(\frac{y}{x}\right)^{17-3a}$, then what is the value of a?
[SSC CPO 2017]

- a) -7
b) -5
c) 0
d) 3

34) The greatest among the numbers $\sqrt[4]{2}, \sqrt[5]{3}, \sqrt[10]{6}, \sqrt[20]{15}$ is
[SSC PO 2013]

- a) $\sqrt[20]{15}$
b) $\sqrt[4]{2}$
c) $\sqrt[5]{3}$
d) $\sqrt[10]{6}$

35) If the numbers $\sqrt[3]{9}, \sqrt[4]{20}$ and $\sqrt[6]{25}$ are arranged in ascending order, then the right arrangement is
[SSC CGL 2010]

- a) $\sqrt[6]{25} < \sqrt[4]{20} < \sqrt[3]{9}$
b) $\sqrt[3]{9} < \sqrt[4]{20} < \sqrt[6]{25}$
c) $\sqrt[4]{20} < \sqrt[6]{25} < \sqrt[3]{9}$
d) $\sqrt[6]{25} < \sqrt[3]{9} < \sqrt[4]{20}$

36) The greatest in $\sqrt[3]{4}, \sqrt[4]{6}, \sqrt[6]{15}$ and $\sqrt[12]{245}$ is

- a) $\sqrt[3]{4}$
b) $\sqrt[4]{6}$
c) $\sqrt[6]{15}$
d) $\sqrt[12]{245}$

