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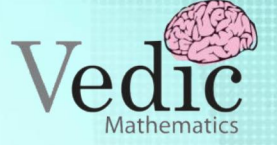
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1) Simply $a - [a - (a + b) - \{a - (a - \overline{b - a})\}] + 2b$

- a) 0
b) 4a
c) 4b
d) 3a - 2b

2) Simplify $171 \div 19 \times 9 = ?$

[Airforce (Group Y) 2018]

- a) 1
b) 18
c) 81
d) 0

3) Find the value of

$60 \times [35 - \{25 - (18 - \overline{9 - 3}) \div 11\}]$

[RRB (Group D)

2018]

- a) $566 \frac{5}{7}$
b) $665 \frac{5}{11}$
c) $665 \frac{8}{11}$
d) None of these

4) Compute $(18 + 2 \times 3.3) \div 0.003$

[RRB NTPC 2016]

- a) 8200
b) 5100
c) 6200
d) 2800

5) Simplify $\left(\frac{2}{9} + \frac{3}{5}\right) \div \left(\frac{2}{9} + \frac{2}{5}\right)$

[RRB NTPC 2016]

- a) $\frac{37}{28}$
b) $\frac{37}{23}$
c) $\frac{33}{28}$
d) $\frac{31}{28}$

Directions (Q No – 6 to 9) : What should come in the place of the question mark (?) in the following questions?

6) $702 \div 27 + 108 \times 0.75 = ?$

- a) 79
b) 89
c) 98
d) 107
e) 99

7) $(72.25 \times 4 + 11) \div 100 = ?$

- a) 4.5
b) 3.5
c) 3
d) 4
e) None of these

8) $\frac{360}{?} = 12 \times 6 - 3^3$

- a) 9
b) 5
c) 6
d) 8
e) 7

9) $12 \times 6 + ? \times 4 = 35 \div 7 \times 20$

- a) 7
b) 8
c) 10
d) 12
e) 114

10) Find the value of x, $x^2 + (9^2 + 34) \div 5 = 39$

- a) 5
b) 4
c) 8
d) 6
e) 9





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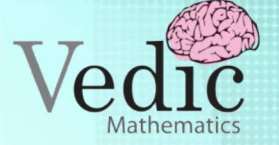
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11) Simplify $\left[2\frac{1}{3} - 1\frac{1}{2}\right]$ of $\frac{3}{5} + 1\frac{2}{5} \div 2\frac{1}{3}$
[RRB NTPC 2018]

a) $\frac{1}{10}$

b) $\frac{3}{10}$

c) $1\frac{1}{10}$

d) 1

12) The value of $\sqrt{8 - 8 \times \frac{2\frac{1}{5} - 1\frac{2}{7}}{2 - \frac{1}{6 - \frac{1}{6}}}}$ is
[SSC (10 + 2) 2013]

a) 0

b) 4

c) 3

d) 2

13) What should come in the place of question mark (?) in the given expression?

$$3\frac{1}{3} - ? \times \frac{3^2}{2^3} = 2\frac{5}{6}$$

a) $\frac{2}{3}$

b) $\frac{2}{9}$

c) $\frac{4}{9}$

d) $\frac{9}{4}$

e) $\frac{7}{9}$

14) The value of

$$\frac{1}{2} + \left(\frac{7}{8} \times \frac{4}{5}\right) - \left(\frac{2}{3} \div \frac{4}{5}\right) + \frac{3}{4} \text{ of } \frac{2}{5} \text{ is}$$

a) $\frac{1}{3}$

b) $\frac{3}{4}$

c) $\frac{2}{3}$

d) $\frac{3}{5}$

15) Find the value of $\frac{(0.0112 - 0.0012) \text{ of } 0.14 + 0.25 \times 0.2}{0.02 \times 0.01}$
[RRB NTPC 2010]

a) 257

b) 25.7

c) 2.57

d) 0.0257

16) The value of $\frac{0.625 \times 0.0729 \times 28.9}{0.0081 \times 0.025 \times 1.7}$ is
[SSC (10+2) 2013]

a) 3825

b) 3845

c) 3925

d) 3945

Directions (Q No – 17 to 21) : What approximate values will come in place of question mark (?) in the following questions?

17) $4329 \div 9 - 6464 \div 13 = ?$

a) 725

b) 625

c) 925

d) 525

e) 825

18) $\sqrt{1443.98} \div 18.98 + 328.1 = ? \times 22.01$

a) 10

b) 12

c) 18

d) 15

e) 22

19) $151.04 - 118.95 \div 17.01 - ?^2 = 80.07$

a) 4

b) 10

c) 8

d) 12

e) 6





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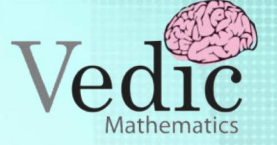
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20) $\frac{13.91 \times 25.03 + 58.08}{4.04} = ?$

- a) 84 b) 120
c) **102** d) 108
e) 114

21) $11.95^2 \times 5.05 + 15.01^2 \times 2.99 = ?$

- a) 11500 b) 12150
c) 11885 d) 1180
e) **1395**

22) Simplify $\frac{(144-25)(1296-676) \times 16}{(25+6) \times 28}$

- a) **1360** b) 1270
c) 1500 d) 1100

23) $55^3 + 17^3 - 72^3 + 201960$ is equal to

[SSC CGL 2014]

- a) -1 b) **0**
c) 1 d) 17

24) $198 \times 198 + 201^2 + 2 \times 198 \times 201 = ?$

[MP Patwari 2017]

- a) 145901 b) 125901
c) **159201** d) None of these

25) Find the value of $\frac{(44+37)^2 + (44-37)^2}{44^2 + 37^2}$

- a) **2** b) 1
c) 3 d) 4

26) Find the value of

$\frac{0.368 \times 0.368 - 0.238 \times 0.238}{1 - 0.87}$

- a) 0.604 b) **0.606**
c) 0.508 d) 0.706

27) Find the value of

$\frac{(0.23 \times 0.23 \times 0.23) - (0.16 \times 0.16 \times 0.16)}{(0.23 \times 0.16) + (0.23 \times 0.23) + (0.16 \times 0.16)}$

- a) 0.09 b) **0.07**
c) 0.81 d) 0.12

28) Find the value of x in

$x \times 3 \div 8 = \sqrt[3]{512} \times \sqrt{12^2}$

- a) **256** b) 512
c) 64 d) 128
e) 320

29) Find the value of x in $\sqrt[3]{729} + 3\frac{3}{5} \div x = \sqrt{16 \times 9}$

- a) 1 b) 1.4
c) **1.2** d) 1.6
e) 12

30) Simply $\sqrt{841} \div 58 \times 16 + \sqrt{256} \div 8^2$

- a) **$8\frac{1}{4}$** b) $3\frac{1}{9}$
c) $4\frac{1}{5}$ d) $6\frac{2}{7}$

31) Simplify $\sqrt{625} \times 2 + \sqrt{169} \div 39 \times 27$

- a) 69 b) **59**





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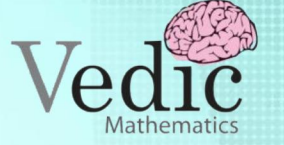
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c) 48

d) 78

32) Simplify $(\sqrt{1296} \times \sqrt{256}) \div \{4 + (100 \div 4 \times 2 + 10)\}$

a) 13

b) 12

c) 9

d) 8

33) Simplify $(1\frac{2}{3} \div \frac{25}{27}) \times \sqrt{625} + \sqrt{1369}$

a) 86

b) 82

c) 96

d) 92

