

1) Simplify $6 + [2 - \{10 + (5 - 8 + 6)\}]$

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

2) Simplify $b - [b - (a + b) - \{b - (a - b - b)\}]$

- a) 2b b) b
c) 2a d) a + b

3) Simplify $60 \div 5 \times (16 - 8 \div 2) \div 4$

[UP Police Constable 2018]

- a) 30 b) 35
c) 40 d) 36

4) Simplify $2 \{(89 - 9) \div 5 + 9\}$

[RRB Group D 2018]

- a) 60 b) 70
c) 50 d) 45

5) Simplify $260 \div 20[4 + \{7 \times 3 + 2(75 - 4 \times 13 + 12 \div 6)\}]$

- a) 1271 b) 715
c) 780 d) 809

6) The value of $48 \div \{12 \times (\frac{4}{3} \text{ of } \frac{9}{8} \div \frac{2}{3} \text{ of } \frac{3}{4})\}$ is

[RRB ALP 2018]

- a) $1\frac{1}{3}$ b) 3
c) $5\frac{1}{3}$ d) 12

7) Simplify $\frac{3\frac{1}{4} - \frac{4}{5} \text{ of } \frac{5}{6}}{4\frac{1}{3} \div \frac{1}{5} - (\frac{3}{10} + 21\frac{1}{5})}$

- a) $\frac{1}{6}$ b) $2\frac{7}{12}$
c) $15\frac{1}{2}$ d) $21\frac{1}{2}$

8) Simplify $\sqrt{1296} \div \sqrt{144} + 25^2 \times 2 + \sqrt{676}$

[SBI Clerk 2019]

- a) 1279 b) 1380
c) 1479 d) 1289

e) 1000

9) Simplify $\sqrt{289} \times \sqrt{256} \div \sqrt{64} + \frac{2}{3}$ of 27.

[RRB Group G 2018]

- a) 52 b) 62 c) 56 d) 48

10) What approximate value will come in place of (?)

[Canara Bank PO 2018]

- a) 348 b) 342
c) 355 d) 336
e) 330

11) What approximate value will come in place of k?

$$11.92^2 + 16.01^2 = k^2 \times 3.85^2$$

[SBI PO 2018]

- a) 15 b) 2
c) 4 d) 5 e) 12

12) The value of $\frac{7.2 \times 7.2 - 5.2 \times 5.2}{6.2 \times 2}$ is

- a) 2 b) 3
c) 6.75 d) 2.56

13) Calculate $\frac{4.8^3 - 3.4^3}{4.8^2 + 4.8 \times 3.4 + 3.4^2}$

[RRB ALP 2018]

- a) 1.4 b) 1.6 c) 2 d) 2.5

14) Find the value of

$$\frac{(0.67 \times 0.67 \times 0.67) - (0.33 \times 0.33 \times 0.33)}{(0.67 \times 0.67) + (0.67 \times 0.33) + (0.33 \times 0.33)}$$

[SSC CGL 2015]

- a) 3.4 b) 11
c) 0.34 d) 1.1

15) Which of the following statements is / are true?

I. $[0.9 - \{2.8 - 3(7 - 5.7 - 3.3)\}]$

$$\frac{(0.76 \times 0.76 \times 0.76) - (0.44 \times 0.44 \times 0.44)}{(0.76 \times 0.76) + (0.76 \times 0.44) + (0.44 \times 0.44)} = 0.32$$

II.

- a) Only I b) Only II
c) Neither I nor II d) Both I and II