



Explore | Expand | Enrich

SIMPLIFICATION



PROBLEM 1:



$$60 + 5 * 12 / (180/3) = ?$$

- A.** 60
- B.** 120
- C.** 13
- D.** 61

ANS:D



PROBLEM 2:



$9000 + 16 \frac{2}{3} \% \text{ of } ? = 10500$

- A. 1500
- B. 1750
- C. 9000
- D. 7500

ANS:C



PROBLEM 3:



$$6 \frac{2}{3} * 9 \frac{3}{5} * 2 \frac{1}{3} + 1 \frac{1}{3} = ?$$

- A. $150 \frac{1}{3}$
- B. $150 \frac{2}{3}$
- C. $149 \frac{2}{3}$
- D. $149 \frac{1}{3}$

ANS:B



PROBLEM 4:



$$[(7 * 9) + (2 * 12) + 3]/[(12 * 3) + (81/9)] = ?$$

- A. 4
- B. 2
- C. 1.75
- D. 4.5

ANS: B



PROBLEM 5:



$$(24 * 5 * 7 * 9) / ? = 216$$

- A. 15
- B. 20
- C. 25
- D. 35

ANS:D



PROBLEM 6:



$$\sqrt[3]{?/9261} = 11/21$$

- A. 121
- B. 1331
- C. 14641
- D. 2662

ANS:B



PROBLEM 7:



20% of 40 + ? % of 80 = 120

- A. 140
- B. 120
- C. 160
- D. 180

ANS:A



PROBLEM 8:



$$(815 / ?) / 100 * 28 * 3 - (815 * 14 * 6)/100 = 1680$$

- A. 2000
- B. 3000
- C. 4000
- D. 6000

ANS:A



PROBLEM 9:



$$6.4 * 1.25 = (?)^3$$

- A. 1
- B. 4
- C. 2
- D. 3

ANS:C



PROBLEM 10:



32% of 425 - ?% of 250 = 36

- A. 20
- B. 40
- C. 60
- D. 80

ANS: B



PROBLEM 11:



$\frac{3}{7}$ of $\frac{4}{9}$ of $\frac{2}{5}$ of 7560 = $(?)^2$

- A. 18
- B. 22
- C. 24
- D. 26

ANS:C



PROBLEM 12:



$2003 * 2004 - 2001 * 2002 = ?$

- A. 8000
- B. 8010
- C. 8020
- D. 8040

ANS: B



PROBLEM 13:



$$456 \div 24 * 38 - 958 + 364 = ?$$

- A. 126
- B. 127
- C. 128
- D. 138

ANS:C



PROBLEM 14:



$$5616 \div 18 \div 8 = ?$$

- A. 34
- B. 39
- C. 38
- D. 37

ANS:B



PROBLEM 15:



$$(85410 + 36885 + 24705) \div 1600 = ?$$

- A. 92.875
- B. 91.875
- C. 93.675
- D. 92.675

ANS:B



PROBLEM 16:



$$x * (523.5 + 687.5) = 24220$$

- A. 10
- B. 15
- C. 17
- D. 20

ANS:D



PROBLEM 17:



$$184 \div 46 \div 0.008 \div 12.5 = ?$$

- A. 30
- B. 40
- C. 60
- D. 80

ANS:C



PROBLEM 18:



$$(2222.5 - 1680 * 0.75) * 1.2 = ?$$

- A. 1155
- B. 1255
- C. 1115
- D. 1055

ANS:A



PROBLEM 19:



$$20 \times 168 \div 14 - 40 = ? + 110$$

- A. 60
- B. 30
- C. 40
- D. 80
- E. 90

ANS: E



PROBLEM 20:



$$(9.8 * 2.3 + 4.46) \div 3 = 3?$$

- A. 2
- B. 3
- C. 4
- D. 1

ANS:A



PROBLEM 21:



$$(656 \div 164)^2 = \sqrt{?}$$

- A. 4
- B. 16
- C. 256
- D. 400

ANS:C



PROBLEM 22:



$$(?)^{1/4} / 8 = 48 / (?)^{3/4}$$

- A. 324
- B. 364
- C. 384
- D. 374
- E. 314

ANS:C



PROBLEM 23:



12.5% of 350 * 8.4% of 250 = ?

- A. 912.75
- B. 915.75
- C. 913.75
- D. 918.75
- E. 916.75

ANS:D



PROBLEM 24:



$$(331 + 19) * (15 - 11) * (37 + 13) = ?$$

- A. 67600
- B. 70000
- C. 69850
- D. 72000

ANS: B



PROBLEM 25:



$$\sqrt{((444) \div 37 + 15 + 11 * (?))} = 7$$

- A. 5
- B. 3
- C. 2
- D. 4

ANS:C



PROBLEM 26:



$\frac{3}{14}$ of $\frac{5}{13}$ of $\frac{6}{7}$ of 3822 = ?

- A. 220
- B. 250
- C. 270
- D. 240

ANS:C



PROBLEM 27:



$$69.69 - 51.54 + 73.65 = ? + 32.42$$

A. 26.38

B. 32.38

C. 43.38

D. 57.38

E. 59.38

ANS:E



PROBLEM 28:



$$36 \cdot 14 - 49 \cdot 784 \div 112$$

- A. 151
- B. 171
- C. 141
- D. 161

ANS:D



PROBLEM 29:



$$\sqrt{676} * 12 - 864 \div 36 = ? + 61$$

- A. 234
- B. 227
- C. 232
- D. 244

ANS: B



PROBLEM 30:



$$468 \div 39 * 15 + 166 = (?)^3 + 130$$

- A. 5
- B. 6
- C. 4
- D. 7

ANS:B

