Quiz Date: 14th September 2020

Directions (1-15): What approximate value should come in place of question mark (?) in the following questions?

Q1. $1884.88 \div 144.89 + 6.99 + (?)^2 = 69.09$
(a) 4
(b) 9
(c) 6
(d) 7
(e) 8

Q2. $\sqrt{12000} \times 34.98 + 150.04 = ?$
(a) 3000
(b) 4700
(c) 4000
(d) 3500
(e) 5600

Q3. 0.2% of 356 × 0.8% of 779 =?
(a) 4
(b) 1
(c) 9
(d) 8
(e) 12

Q4. 63.9% of 8920.2 +? % of 5320.3 = 6830.162
(a) 36
(b) 21
(c) 17
(d) 31
(e) 9

Q5. $\frac{5}{8}$ of 4011.83 + $\frac{7}{10}$ of 3410.12 =?
(a) 4810
(b) 4980
(c) 4890
(d) 4930
(e) 4850

Q6. 24.97% of $800.09 \div 7.99 \div \frac{1}{4.99} = ?$
(a) 10
(b) 125
(c) 75
(d) 25

(e) 5

Q7. $300.01 \div 12.99 \times 174.99 \div 35.01 = ?$
(a) 135
(b) 105
(c) 120
(d) 125
(e) 115

Q8. $8.06 \times 47.87 \div \frac{4}{9}$ of $71.8 = ?$
(a) 9
(b) 15
(c) 12
(d) 18
(e) 21

Q9. $(13.999)^2 + 29.94\%$ of $1300.01 = 8.99 \times ?$
(a) 65
(b) 72
(c) 70
(d) 55
(e) 58

Q10. $\frac{1}{18.95} \times 56.91 \div 71.97 \times 215.6 = ?$
(a) 12
(b) 6
(c) 9
(d) 15
(e) 18

Q11. $40.01\% of \frac{2}{5} + 59.998\% of \frac{3}{5} = 13.001\% of ?$
(a) 4
(b) 5
(c) 6
(d) 3
(e) 2

Q12. $1\frac{1}{5} of\ 115.051 - 19.98\% of\ 670 = \sqrt{? + 6.112}$
(a) 12
(b) 10
(c) 8
(d) 4
(e) 14

Q13. $48.01 + (23.04 + 26.97) \div 4.97 = ? \times 12.02 + 10.010$
(a) 5
(b) 2
(c) 3
(d) 4
(e) 1

Q14. $\sqrt{197} - \sqrt{1025} = \sqrt{?} - \sqrt{1157}$
(a) 256
(b) 324
(c) 289
(d) 400
(e) 441

Q15. $\frac{24.9}{11.09} \times \frac{0.9}{6.9} \times \frac{3.99}{13.01} \times 1000 = \frac{99.99}{?}$
(a) 6
(b) 2
(c) 5
(d) 4
(e) 1

Solutions

S1. Ans.(d)
Sol.
$1884 \div 144.89 + 6.99 + (?)^2 = 69.09$
$\approx 13 + 7 + (?)^2 = 69.09$
$\approx ?^2 = 69 - 20 = 49$
$\therefore ? = \sqrt{49} = 7$

S2. Ans.(c)
Sol.
$\sqrt{12000} \times 34.98 + 150.04 = ?$
$\approx 110 \times 35 + 150$
$= 4000$

S3. Ans.(a)
Sol. 0.2% of 356 × 0.8% of 779
$= 0.712 \times 6.232$
$= 0.7 \times 6$
$\approx 4.2 \simeq 4$

S4. Ans.(b)
Sol. ≈ 63.9% of 8920 +? % of 5320 = 6830
$\approx 5320 \times ? = (6830 - 5709) \times 100$

$? \approx 21$

S5. Ans.(c)
Sol. $\approx \frac{5}{8}$ of $4012 + \frac{7}{10}$ of 3410
$\approx 2507 + 2387$
$= 4894 \approx 4890$

S6. Ans.(b)
Sol. 25% of $800 \times \frac{1}{8} \times 5 \approx ?$
$\frac{200}{8} \times 5 \approx ?$
$? \approx 125$

S7. Ans.(e)
Sol. $\frac{299}{13} \times \frac{175}{35} \approx ?$
$? \approx 23 \times 5$
$? \approx 115$

S8. Ans.(c)
Sol. $8 \times 48 \div \left(\frac{4}{9} \times 72\right) \approx ?$
$\frac{384}{4 \times 8} \approx ?$
$? \approx 12$

S9. Ans.(a)
Sol. $(14)^2 + 30\%$ of $1300 \approx 9 \times ?$
$196 + 390 \approx 9 \times ?$
$586 \approx 9 \times ?$
$? \approx 65$

S10. Ans.(c)
Sol. $\frac{1}{19} \times 57 \times \frac{1}{72} \times 216 \approx ?$
$3 \times 3 \approx ?$
$? \approx 9$

S11. Ans(a)
Sol. $\frac{40}{100} \times \frac{2}{5} + \frac{60}{100} \times \frac{3}{5} \approx ? \times \frac{13}{100}$
$\frac{4}{25} + \frac{9}{25} \approx \frac{13}{100} \times ?$
$? \times \frac{13}{100} \approx \frac{13}{25}$
$? \approx 4$

S12. Ans(b)
Sol. $1\frac{1}{5} \times 115 - \frac{20}{100} \times 670 \approx \sqrt{? + 6}$

$\frac{6}{5} \times 115 - 134 \approx \sqrt{?+6}$
$138 - 134 \approx \sqrt{?+6}$
$? \approx 10$

S13. Ans(d)
Sol. $48 + \frac{23+27}{5} = ? \times 12 + 10$
$48 + 10 - 10 = ? \times 12$
$? = \frac{48}{12}$
$? = 4$

S14. Ans(a)
Sol. $\sqrt{196} - \sqrt{1024} \approx \sqrt{?} - \sqrt{1156}$
$14 - 32 \approx \sqrt{?} - 34$
$14 - 32 + 34 \approx \sqrt{?}$
$\sqrt{?} \approx 16$
$? \approx 256$

S15. Ans(e)
Sol. $\frac{25}{11} \times \frac{1}{7} \times \frac{4}{13} \times 1000 \approx \frac{100}{?}$
$\frac{100}{?} \approx 100$
$? \approx 1$