

Quiz Date: 26th September 2020

Directions (1-15): What will come in place of question mark (?) in the following no. series (you are not expected to find exact value)?

Q1. $549.95 - 440.01 + 39.99 \times 10.98 = ?$

- (a) 515
- (b) 395
- (c) 475
- (d) 425
- (e) 550

Q2. $1281 \div 15.9 + \frac{5}{11} \times 4070.02 - 123.01 = ?$

- (a) 1820
- (b) 1815
- (c) 1807
- (d) 1850
- (e) 1755

Q3. $\sqrt{626} \times 4.99 + 404.97 = ?$

- (a) 695
- (b) 530
- (c) 675
- (d) 550
- (e) 800

Q4. $299.02 \div 22.99 + 7359.99 \div 31.97 = ?$

- (a) 243
- (b) 343
- (c) 274
- (d) 354
- (e) 325

Q5. $2885.99 \div 26.01 + 41.02 \times \sqrt{169.2} = ?$

- (a) 590
- (b) 644
- (c) 540
- (d) 550
- (e) 658

Q6. $31.85 \div 3.96 \times 15 = ?$

- (a) 120
- (b) 90
- (c) 80
- (d) 140

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(e) 160

Q7. $4.99 \times 12.965 + 599 = ?$

- (a) 620
- (b) 654
- (c) 664
- (d) 674
- (e) 684



Q8. $21 + 63 \div 17 = ?$

- (a) 35
- (b) 40
- (c) 10
- (d) 25
- (e) 15

Q9. $1584 \div 24.89\% \text{ of } 352.02 = ?$

- (a) 24
- (b) 18
- (c) 12
- (d) 28
- (e) 8

Q10. $5823.89 \div 364 \times \sqrt{224.99} = ?$

- (a) 250
- (b) 240
- (c) 230
- (d) 235
- (e) 255

Q11. $\sqrt{63.82 \times 36.01} + 419.92 \div 5.84 - 540 = ? - 799.98$

- (a) 426
- (b) 378
- (c) 526
- (d) 328

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(e) 448

Q12. 15.812% of $1600.125 + ?\%$ of $1199.98 = 19.88 \times 121.98$

- (a) 182
- (b) 142
- (c) 326
- (d) 286
- (e) 216

Q13. $(7.98)^3 + (14.88)^2 - (12.01)^2 = ? - 1219.812 - 1749.98$

- (a) 3643
- (b) 3425
- (c) 3416
- (d) 3563
- (e) 3521

Q14. $19.825 \times \sqrt{7} = 63.91\%$ of $399.98 + 11.95\%$ of 1200.01

- (a) 300
- (b) 500
- (c) 420
- (d) 350
- (e) 400

Q15. $(?)^2 + 14.01\%$ of $1599.98 = 59.01 \times 12.025$

- (a) 18
- (b) 28
- (c) 22
- (d) 36
- (e) 32



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Solutions

S1. Ans.(e)

Sol.

$$? \simeq 550 - 440 + 40 \times 11$$

$$\simeq 550$$

S2. Ans.(c)

Sol.

$$? \simeq \frac{1280}{16} + \frac{5}{11} \times 4070 - 123$$

$$? \simeq 1807$$

S3. Ans.(b)

Sol.

$$\begin{aligned} ? &\simeq 25 \times 5 + 405 \\ &\simeq 530 \end{aligned}$$

S4. Ans.(a)

Sol.

$$\begin{aligned} ? &\simeq \frac{299}{23} + \frac{7360}{32} \\ ? &\simeq 13 + 230 \\ ? &\simeq 243 \end{aligned}$$

S5. Ans.(b)

Sol.

$$\begin{aligned} ? &\simeq \frac{2886}{26} + 41 \times 13 \\ &\simeq 111 + 533 \\ &\simeq 644 \end{aligned}$$



S6. Ans.(a)

Sol.

$$\begin{aligned} ? &\simeq 32 \div 4 \times 15 \\ ? &\simeq 120 \end{aligned}$$

S7. Ans.(c)

Sol.

$$\begin{aligned} ? &\simeq 5 \times 13 + 599 \\ ? &\simeq 664 \\ ? &\simeq 665 \end{aligned}$$

S8. Ans.(d)

Sol.

$$\begin{aligned} ? &\simeq 21 + 63 \div 17 = 21 + 3.7 = 24.7 \\ ? &\simeq 25 \end{aligned}$$

S9. Ans.(b)

Sol.

$$? \simeq 1584 \div \frac{25}{100} \times 352$$

$$? \simeq \frac{1584 \times 100}{25 \times 352}$$

$$? \simeq 18$$

S10. Ans.(b)

Sol.

$$? \simeq \frac{5824}{364} \times 15$$

$$? \simeq 240$$

S11. Ans.(b)

Sol.

$$\sqrt{64 \times 36} + \frac{420}{6} - 540 = ? - 800$$

$$? = \sqrt{2304} + 70 - 540 + 800$$

$$? = 378$$

S12. Ans.(a)

Sol.

$$\frac{16}{100} \times 1600 + \frac{?}{100} \times 1200 = 20 \times 122$$

$$256 + ? \times 12 = 2440$$

$$? = \frac{2184}{12} = 182$$

S13. Ans.(d)

Sol.

$$(8)^3 + (15)^2 - (12)^2 = ? - 1220 - 1750$$

$$512 + 225 - 144 = ? - 2970$$

$$? = 3563$$

S14. Ans.(e)

Sol.

$$20 \times \sqrt{?} = \frac{64}{100} \times 400 + \frac{12}{100} \times 1200$$

$$20 \times \sqrt{?} = 256 + 144$$

$$\sqrt{?} = \frac{400}{20} = 20$$

$$? = 400$$

S15. Ans.(c)

Sol.



$$(?)^2 + \frac{14}{100} \times 1600 = 59 \times 12$$

$$(?)^2 + 224 = 708$$

$$(?)^2 = 484$$

$$? = 22$$

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