

Quiz Date: 27th September 2020

Directions (1-15): What will come in the place of question (?) mark:

Q1. 17% of 400 + 23% of 900 - 17% of 500 = ?

- (a) 170
- (b) 142
- (c) 190
- (d) 290
- (e) 150

Q2. $7\frac{1}{3} + 5\frac{2}{5} - 2\frac{1}{7} + 3\frac{2}{5} = ?$

- (a) $13\frac{104}{105}$
- (b) $12\frac{103}{105}$
- (c) $15\frac{104}{105}$
- (d) $13\frac{102}{105}$
- (e) $13\frac{103}{105}$

Q3. $333 \div 300 + 7777 \div 7000 = 6600 \div 4400 + ?$

- (a) 0.711
- (b) 0.721
- (c) 0.731
- (d) 0.651
- (e) 0.981

Q4. $2336 + 1252 + 2451 - 3123 = ?$

- (a) 2697
- (b) 2936
- (c) 2663
- (d) 2763
- (e) 2916

Q5. 120% of $\frac{5}{6}$ of $\frac{31}{29}$ of 58 = ?

- (a) 94
- (b) 82
- (c) 60
- (d) 62
- (e) 31

Q6. $\frac{2197}{13} + \frac{242}{11} + \frac{1024}{8} = ?$

- (a) 312
- (b) 319
- (c) 280

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- (d) 282
(e) 412

Q7. 20% of 510 - 15% of 240 = ?

- (a) 52
(b) 69
(c) 70
(d) 66
(e) 72

Q8. $\frac{3179}{17} + \frac{520}{104} + 15\% \text{ of } 300 = ?$

- (a) 212
(b) 319
(c) 480
(d) 382
(e) 237

Q9. $\frac{880}{25\% \text{ of } 220} = ?^2$

- (a) 21
(b) 19
(c) 8
(d) 4
(e) 16



Q10. $0.11 + 1.11 + 11.1 + 111.1 = ?$

- (a) 121.121
(b) 123.42
(c) 211.142
(d) 124.2
(e) 152.12

Q11. $\left\{ \left(\frac{333}{3} \right) / 5 \right\} - \left\{ \left(\frac{777}{5} \right) / 7 \right\} = ?$

- (a) 2
(b) 5
(c) 12

- (d) 4
(e) 0

Q12. $\left\{\left(\frac{91}{13}\right) + \left(\frac{195}{39}\right)\right\}^2 = ?^2$

- (a) 2
(b) 5
(c) 12
(d) 4
(e) 0

Q13. $\frac{17\% \text{ of } 4600}{23\% \text{ of } 8500} = ?$

- (a) $\frac{2}{5}$
(b) $\frac{2}{3}$
(c) $\frac{2}{7}$
(d) $\frac{1}{4}$
(e) $\frac{1}{3}$

Q14. $11\% \text{ of } 5200 - 13\% \text{ of } 2500 = ? \times \frac{1}{2}$

- (a) 594
(b) 238
(c) 492
(d) 494
(e) 602

Q15. $(35 \times 2) + (55 \times 2) - 15 \times 3 \times 5 \div \frac{3}{1} = ?$

- (a) 109
(b) 129
(c) 105
(d) 102
(e) 189

Solutions

S1. Ans.(c)

Sol.

$$\begin{aligned} ? &= 17 \times 4 + 23 \times 9 - 17 \times 5 \\ &= 68 + 207 - 85 \\ &= 190 \end{aligned}$$

S2. Ans.(a)

Sol.

$$\begin{aligned} ? &= (7 + 5 - 2 + 3) + \left(\frac{1}{3} + \frac{2}{5} - \frac{1}{7} + \frac{2}{5}\right) \\ &= 13 + \frac{104}{105} \\ &= 13\frac{104}{105} \end{aligned}$$

S3. Ans.(b)

Sol.

$$\begin{aligned} ? &= 1.11 + 1.111 - 1.5 \\ &= 0.721 \end{aligned}$$

S4. Ans.(e)

Sol.

$$? = 2916$$



S5. Ans.(d)

Sol.

$$\begin{aligned} ? &= 120\% \text{ of } \frac{5}{6} \text{ of } \frac{31}{29} \text{ of } 58 \\ &= \frac{6}{5} \times \frac{5}{6} \times \frac{31}{29} \times 58 \\ &= 62. \end{aligned}$$

S6. Ans. (b)

Sol.

$$\begin{aligned} ? &= \frac{2197}{13} + \frac{242}{11} + \frac{1024}{8} \\ &= 169 + 22 + 128 \\ &= 319 \end{aligned}$$

S7. Ans. (d)

Sol.

$$\begin{aligned} ? &= 20\% \text{ of } 510 - 15\% \text{ of } 240 \\ &= \frac{510}{5} - \frac{3}{20} \times 240 = 66 \end{aligned}$$

S8. Ans. (e)

Sol.

$$\begin{aligned} ? &= \frac{3179}{17} + \frac{520}{104} + 15\% \text{ of } 300 \\ &= 187 + 5 + 45 \\ &= 237 \end{aligned}$$

S9. Ans. (d)

Sol.

$$\begin{aligned} ?^2 &= \frac{880}{25\% \text{ of } 220} \\ ?^2 &= \frac{880}{55} = 16 \\ ? &= 4 \end{aligned}$$

S10. Ans. (b)

Sol.

$$? = 0.11 + 1.11 + 11.1 + 111.1 = 123.42$$

S11. Ans. (e)

Sol.

$$\begin{aligned} ? &= \left\{ \left(\frac{333}{3} \right) / 5 \right\} - \left\{ \left(\frac{777}{5} \right) / 7 \right\} \\ &= \frac{111}{5} - \frac{777}{35} \\ &= \frac{111}{5} - \frac{111}{5} = 0 \end{aligned}$$

S12. Ans. (c)

Sol.

$$\begin{aligned} \left\{ \left(\frac{91}{13} \right) + \left(\frac{195}{39} \right) \right\}^2 &= (?)^2 \\ ?^2 &= (7 + 5)^2 \\ ? &= 12 \end{aligned}$$

S13. Ans.(a)

Sol.

$$? = \frac{17 \times 4600}{23 \times 8500} = \frac{2}{5}$$

S14. Ans.(d)

Sol.

$$\begin{aligned} ? &= 2 \times (572 - 325) \\ &= 494 \end{aligned}$$

S15. Ans.(c)

Sol.

$$\begin{aligned} 70 + 110 - 225 \times \frac{1}{3} &= ? \\ \Rightarrow ? &= 180 - 75 \\ ? &= 105 \end{aligned}$$

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