

Course: IBPS Clerk Prelims

Subject: Simplification

Time: 10 Minutes

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Directions (1-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आएगा:

Q1. $17\% \text{ of } 400 + 23\% \text{ of } 900 - 17\% \text{ of } 500 = ?$

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

L1Difficulty 2

QTags Simplification

QCreator Deepak Rohilla

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) $13\frac{103}{105}$

L1Difficulty 2

QTags Simplification

QCreator Deepak Rohilla

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

L1Difficulty 2

QTags Simplification

QCreator Deepak Rohilla

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

- (a) 2697
- (b) 2936

(c) 2663

(d) 2763

(e) 2916

L1Difficulty 2

QTags Simplification

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

(a) 94

(b) 82

(c) 60

(d) 62

(e) 31

L1Difficulty 2

QTags Simplification

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

(a) 312

(b) 319

(c) 280

(d) 282

(e) 412

L1Difficulty 2

QTags Simplification

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Q7. 20% of 510 – 15% of 240 = ?

(a) 52

(b) 69

(c) 70

(d) 66

(e) 72

L1Difficulty 2

QTags Simplification

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

(a) 212

(b) 319

(c) 480

(d) 382

(e) 237

L1Difficulty 2

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

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

L1Difficulty 2

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

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

L1Difficulty 2

QTags Simplification
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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

L1Difficulty 2

QTags Simplification
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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

L1Difficulty 2

QTags Simplification
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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) $\frac{1}{3}$

L1Difficulty 2

QTags Simplification

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

(a) 594

(b) 238

(c) 492

(d) 494

(e) 602

L1Difficulty 2

QTags Simplification

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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

L1Difficulty 2

QTags Simplification

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Solutions

S1. Ans.(c)

Sol.

$$? = 17 \times 4 + 23 \times 9 - 17 \times 5$$

$$= 68 + 207 - 85$$

$$= 190$$

S2. Ans.(a)

Sol.

$$? = (7 + 5 - 2 + 3) + \left(\frac{1}{3} + \frac{2}{5} - \frac{1}{7} + \frac{2}{5}\right)$$

$$= 13 + \frac{104}{105}$$

$$= 13 \frac{104}{105}$$

S3. Ans.(b)

Sol.

$$? = 1.11 + 1.111 - 1.5$$

$$= 0.721$$

S4. Ans.(e)

Sol.

$$? = 2916$$

S5. Ans.(d)

Sol.

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

$$= \frac{6}{5} \times \frac{5}{6} \times \frac{31}{29} \times 58$$

$$= 62.$$

S6. Ans. (b)

Sol.

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

$$= 169 + 22 + 128$$

$$= 319$$

S7. Ans. (d)

Sol.

$$? = 20\% \text{ of } 510 - 15\% \text{ of } 240$$

$$= \frac{510}{5} - \frac{3}{20} \times 240 = 66$$

S8. Ans. (e)

Sol.

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

$$= 187 + 5 + 45$$

$$= 237$$

S9. Ans. (d)

Sol.

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

$$?^2 = \frac{880}{55} = 16$$

$$? = 4$$

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.

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