

Course: IBPS RRB 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. $50\% \text{ of } 950 + 40\% \text{ of } 450 - 15 \times 36 = ?$

- (a)185
- (b)124
- (c)115
- (d)162
- (e)148

L1Difficulty 2

QTagsSimplification

QCreatorDeepak Rohilla

Q2. $(16)^{0.25} \times (32)^{1.4} - ?\% \text{ of } 62 = (15)^2$

- (a)48
- (b)35
- (c)46
- (d)24
- (e)50

L1Difficulty 2

QTagsSimplification

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Q3. $? \times 6\frac{3}{7} \times 2\frac{1}{3} = 28\% \text{ of } 1500$

- (a)13
- (b)40
- (c)28
- (d)11
- (e)18

L1Difficulty 2

QTagsSimplification

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Q4. $\frac{432}{12} + (12)^2 + ?\% \text{ of } 760 = (16)^2$

- (a)12
- (b)10
- (c)15
- (d)24

(e) 30

L1Difficulty 2

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Q5. $11 \times 15 + 8 \times 7.5 = (?)^2$

(a) 15

(b) 21

(c) 3

(d) 6

(e) 9

L1Difficulty 2

QTagsSimplification

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Q6. $132 \div 4 \times 12 + 304 - 144 = ?$

(a) 350

(b) 450

(c) 465

(d) 655

(e) 556

L1Difficulty 2

QTagsSimplification

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Q7. $999 \div 3000 + 8888 \div 4400 = ?$

(a) 2.353

(b) 23.53

(c) 0.2353

(d) 235.3

(e) 3.253

L1Difficulty 2

QTagsSimplification

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Q8. $\sqrt{21.16} \times \sqrt{6.25} = ? + \sqrt{10.24}$

(a) 3.8

(b) 8.3

(c) 9.6

(d) 7.6

(e) 6.8

L1Difficulty 2

QTagsSimplification

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Q9. $?^3 - \frac{1331\sqrt{11}}{\sqrt{?}} = 0$

- (a) 8
- (b) 9
- (c) 14
- (d) 12
- (e) 11

L1Difficulty 2

QTagsSimplification

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Q10. $233\% \text{ of } 30 + 153\% \text{ of } 70 - 87\% \text{ of } 200 = ?$

- (a) 8
- (b) 6
- (c) 4
- (d) 5
- (e) 3

L1Difficulty 2

QTagsSimplification

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Q11. $5.6 \times 2.8 + 6.3 \times 0.9 - 2.5 \times 1.5 = ?$

- (a) 15.6
- (b) 16.7
- (c) 19.4
- (d) 17.6
- (e) 1.76

L1Difficulty 2

QTagsSimplification

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Q12. $(35)^2 \div \sqrt[3]{125} + (25)^2 \div 125 = ?$

- (a) 200
- (b) 250
- (c) 150
- (d) 100
- (e) 140

L1Difficulty 2

QTagsSimplification

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Q13. $(?)^2 \times (12)^2 \div (48)^2 = 81$

- (a) 36
- (b) 32
- (c) 9

(d) 15

(e) 48

L1Difficulty 2

QTagsSimplification

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Q14. 64% of ? \div 14 = 176

(a) 3800

(b) 3950

(c) 3850

(d) 3900

(e) 3200

L1Difficulty 2

QTagsSimplification

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Q15. 45% of 224 \times ? % of 120 = 8104.32

(a) 67

(b) 62

(c) 59

(d) 71

(e) 57

L1Difficulty 2

QTagsSimplification

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Solutions

S1. Ans. (c)

Sol.

$$\frac{50}{100} \times 950 + \frac{40}{100} \times 450 - 15 \times 36 = ?$$

$$? = 475 + 180 - 540 = 115$$

S2. Ans. (e)

Sol.

$$\Rightarrow (16)^{\frac{1}{4}} \times (32)^{\frac{7}{5}} - \frac{?}{100} \times 62 = 15^2$$

$$\Rightarrow 2 \times 128 - 225 = 62 \times \frac{?}{100}$$

$$? = 50$$

S3. Ans. (c)

Sol.

$$? \times \frac{45}{7} \times \frac{7}{3} = \frac{28}{100} \times 1500$$

$$? = \frac{28 \times 1500 \times 7 \times 3}{7 \times 45 \times 100}$$

$$? = 28$$

S4. Ans. (b)

Sol.

$$?\% \text{ of } 760 = 16^2 - \frac{432}{12} - 12^2$$

$$?\% \text{ of } 760 = 256 - 36 - 144$$

$$? = \frac{76 \times 100}{760} = 10$$

S5. Ans. (a)

Sol.

$$(?)^2 = 11 \times 15 + 8 \times 7.5$$

$$(?)^2 = 165 + 60$$

$$? = \sqrt[3]{225} = 15$$

S6. Ans. (e)

Sol.

$$\frac{132}{4} \times 12 + 160 = ?$$

$$? = 396 + 160 = 556$$

S7. Ans. (a)

$$\text{Sol. } ? = 0.333 + 2.02$$

$$= 2.353$$

S8. Ans. (b)

$$\text{Sol. } ? = 4.6 \times 2.5 - 3.2$$

$$? = 8.3$$

S9. Ans. (e)

$$\text{Sol. } ?^{\frac{7}{2}} = (11)^{\frac{7}{2}}$$

$$\Rightarrow ? = 11$$

S10. Ans. (e)

$$\text{Sol. } ? = 69.9 + 107.1 - 174$$

$$? = 3$$

S11. Ans. (d)

$$\text{Sol. } ? = 21.35 - 3.75 = 17.6$$

S12. Ans.(b)

Sol.

$$\begin{aligned} ? &= \frac{1225}{5} + \frac{625}{125} \\ &= 250 \end{aligned}$$

S13. Ans.(a)

Sol.

$$\begin{aligned} (?)^2 \times (12)^2 \div 48^2 &= 81 \\ \Rightarrow (?)^2 &= 1296 \\ \Rightarrow ? &= \pm 36 \end{aligned}$$

S14. Ans.(c)

Sol.

$$\begin{aligned} \frac{64}{100} \times ? &= 176 \times 14 \\ \Rightarrow ? &= 3,850 \end{aligned}$$

S15. Ans.(a)

Sol.

$$\begin{aligned} \frac{45}{100} \times 224 \times \frac{?}{100} \times 120 &= 8104.32 \\ \Rightarrow ? &= 67 \end{aligned}$$