

Course: RBI Assistant Mains & IBPS Main

Subject: Approximation & Missing number series

Time: 12 Minutes

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Directions (1-8): दिए गए प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर क्या अनुमानित मान आएगा-

Q1. $(36.01)^3 \times (4096)^{\frac{1}{2}} \times (37.99)^2 \div (9^3 \times 75.98^2) = 4^?$

- (a) 7
- (b) 3
- (c) 5
- (d) 8
- (e) 11

L1Difficulty 3

QTags Approximation

QCreator AYUSH PANDEY

Q2. $\frac{4}{15}$ of 393 + $\frac{7}{12}$ of 478 = ? \times (1.99 + 1.01)

- (a) 128
- (b) 138
- (c) 158
- (d) 178
- (e) 148

L1Difficulty 3

QTags Approximation

QCreator AYUSH PANDEY

Q3. $\sqrt{2809.001} \div 7.98 \times (12.01)^2 + 46.002 = ?$

- (a) 1300
- (b) 900
- (c) 1000
- (d) 1100
- (e) 980

L1Difficulty 3

QTags Approximation

QCreator AYUSH PANDEY

Q4. $624.89 + (31.89)^2 - 49.01 = (?)^2$

- (a) 35
- (b) 40
- (c) 36
- (d) 44

(e) 46

L1Difficulty 3

QTags Approximation

QCreator AYUSH PANDEY

Q5. $\frac{163.98+2}{24.98} + 389.97 + 19.98\% \text{ of } 724.89 = 24.98\% \text{ of } 2203.89$

(a) 206

(b) 216

(c) 226

(d) 236

(e) 246

L1Difficulty 3

QTags Approximation

QCreator AYUSH PANDEY

Q6. $?\% \text{ of } 749.89 + \sqrt[3]{728.89} = 26.89\% \text{ of } 499.87 + 29.89\% \text{ of } 349.89 + \sqrt{80.87}$

(a) 38

(b) 32

(c) 40

(d) 42

(e) 28

L1Difficulty 3

QTags Approximation

QCreator AYUSH PANDEY

Q7. $(11.87)^2 + 12.493 \times 15.89 - \sqrt{13224.98} - (?)^2 = (14.96)^2$

(a) 9

(b) 2

(c) 8

(d) 5

(e) 10

L1Difficulty 3

QTags Approximation

QCreator AYUSH PANDEY

Q8. $\frac{359.93}{?} = (8.89)^3 - 14.5 \times 39.89 + (1.95)^2 - 3^4$

(a) 8

(b) 2

(c) 3

(d) 9

(e) 5

L1Difficulty 3

QTags Approximation

QCreator AYUSH PANDEY

Directions (9-15): निम्नलिखित संख्या श्रृंखला में प्रश्नवाचक चिह्न के स्थान पर क्या मान आना चाहिए-

Q9. 110, 55, 55, 110, ?, 3520

- (a) 425
- (b) 380
- (c) 440
- (d) इनमें से कोई नहीं
- (e) 420

L1Difficulty 3

QTags MISSING SERIES Quant

QCreator AYUSH PANDEY

Q10. 8, 5, 7, 18, 80, ?

- (a) 656
- (b) इनमें से कोई नहीं
- (c) 126
- (d) 642
- (e) 428

L1Difficulty 3

QTags MISSING SERIES Quant

QCreator AYUSH PANDEY

Q11. 11, 12, 17, 30, 59, ?

- (a) इनमें से कोई नहीं
- (b) 125
- (c) 120
- (d) 100
- (e) 110

L1Difficulty 3

QTags MISSING SERIES Quant

QCreator AYUSH PANDEY

Q12. 1680, 1168, 1119, 903, ?, 814

- (a) इनमें से कोई नहीं
- (b) 864
- (c) 814
- (d) 878
- (e) 858

L1Difficulty 3

QTags MISSING SERIES Quant
QCreator AYUSH PANDEY

Q13. ?, 237, 366, 473, 547, 577

- (a) 101
- (b) 105
- (c) 78
- (d) 97
- (e) इनमें से कोई नहीं

L1Difficulty 3

QTags MISSING SERIES Quant
QCreator AYUSH PANDEY

Q14. 23, ?, 43, 64, 95, 138

- (a) 28
- (b) 30
- (c) 26
- (d) 24
- (e) 32

L1Difficulty 3

QTags MISSING SERIES Quant
QCreator AYUSH PANDEY

Q15. 42, 40, ?, 227, 903, 4509

- (a) 77
- (b) 79
- (c) 87
- (d) 83
- (e) 73

L1Difficulty 3

QTags MISSING SERIES Quant
QCreator AYUSH PANDEY

Solutions

S1. Ans.(c)

Sol.

$$36.01^3 \times 4096^{\frac{1}{2}} \times 37.99^2 \div (9^3 \times 75.98^2) = 4^?$$

$$\begin{aligned} \text{or, } 4^? &= \frac{36^3 \times \sqrt{4096} \times 38^2}{9^3 \times 76^2} \\ &= \frac{4^3 \times 9^3 \times 4^3 \times 38 \times 38}{9^3 \times 76 \times 76} = \frac{4^3 \times 4^3}{2 \times 2} \end{aligned}$$

$$\text{or, } 4^? \approx 4^3 \times 4^2 = 4^5$$

$$\therefore ? \approx 5$$

S2. Ans.(a)

Sol.

$$\frac{4}{15} \text{ of } 393 + \frac{7}{12} \text{ of } 473 = ? \times (1.99 + 1.01)$$

$$\text{or, } ? \times 3 \approx \frac{4}{15} \times 393 + \frac{7}{12} \times 478$$

$$\text{or, } ? \times 3 \approx \frac{4}{15} \times 390 + \frac{7}{12} \times 480$$

$$\text{or, } ? \times 3 \approx 104 + 280$$

$$\text{or, } ? \approx \frac{384}{3}$$

$$\therefore ? \approx 128$$

S3. Ans.(c)

Sol.

$$? \approx \sqrt{2809} \div 8 \times (12)^2 + 46$$

$$\text{or, } ? \approx \frac{53}{8} \times (12)^2 + 46$$

$$\text{or, } ? \approx 954 + 46$$

$$\therefore ? \approx 1000$$

S4. Ans.(b)

Sol.

$$(?)^2 = 625 + (32)^2 - (7)^2$$

$$(?)^2 = 625 + 1024 - 49$$

$$(?) = 1600$$

$$? = 40$$

S5. Ans.(d)

Sol.

$$\frac{164+?}{25} + 390 + 20\% \text{ of } 725 = \frac{25}{100} \times 2204$$

$$\frac{164+?}{25} + 535 = 551$$

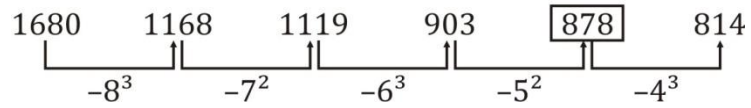
$$? = (551 - 535) 25 - 164$$

$$? = 400 - 164$$

$$? = 236$$

S6. Ans.(b)

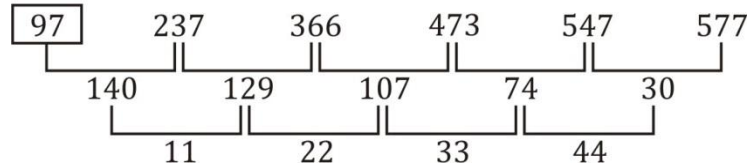
Pattern of series -



S13. Ans.(d)

Sol.

Pattern of series -



S14. Ans.(b)

Sol.

Pattern of series -

$$+(3^2 - 2), +(4^2 - 3), (5^2 - 4), +(6^2 - 5).....$$

$$\text{So, } 23 + (3^2 - 2) = 30$$

S15. Ans.(a)

Sol.

Pattern of series -

$$\times 1 - 2, \times 2 - 3, \times 3 - 4, \times 4 - 5.....$$

$$\text{So, } 40 \times 2 - 3 = 77$$