Course: IBPS PO Prelims

Subject: Missing Series and Simplification

Time:10 Minutes
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Directions (1-5): निम्नलिखित संख्या श्रृंखला में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आना चाहिए-

Q1. 12, 7, 8, 13, 27, ?
(a) 75
(b) 76
(c) 60
(d) 65
(e) 68.5
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q2. 15, 24, 49, 98, 179, ?
(a) 310
(b) 300
(c) 305
(d) 315
(e) इनमें से कोई नहीं
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q3. 5, 6, 14, 45, ? , 925
(a) 184
(b) 243
(c) 234
(d) 232
(e) इनमें से कोई नहीं
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q4. 9, 11, 22, 51, 107, ?
(a) 195
(b) 210
(c) 200

(d) 199
(e) इनमें से कोई नहीं
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q5. 67, 75, 59, 91, 27, ?
(a) 180
(b) 155
(c) 170
(d) 120
(e) इनमें से कोई नहीं
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q6. 174, , 169, 162, 152, 138, ?
(a) 119
(b) 121
(c) 111
(d) 100
(e) 108
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q7. 193, 97, 49, 25, ?, 7
(a) 15
(b) 12
(c) 17
(d) 13
(e) 11
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q8. 17, 24, 13, 26, 9, ?
(a) 30
(b) 32
(c) 29
(d) 28
(e) 26
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q9. 462, 462, 456, 432, ?, 282
(a) 362
(b) 378
(c) 364
(d) 396
(e) 346
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q10. 1, 3, 10, 48, ?, 6432
(a) 208
(b) 380
(c) 400
(d) 360
(e) 440
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Directions (11-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिन्ह (?) के स्थान पर क्या मान आना चाहिए-

Q11. $326 \times 14 - 12 \times 88 + (49)^2 = ?$
(a) 5110
(b) 5909
(c) 5990
(d) 6909
(e) 7909
L1Difficulty 2
QTags Simplification
QCreator Deepak Rohilla

Q12. $6\frac{3}{7}$ of 266 + 630 = 7985 – ? – 5200
(a) 755
(b) 645
(c) 445
(d) 555
(e) 665
L1Difficulty 2
QTags Simplification
QCreator Deepak Rohilla

Q13. $124\sqrt{?} + 876 = \frac{3}{4}$ of 840 + 742
(a) 4
(b) 16
(c) 8
(d) 64
(e) 32
L1Difficulty 2
QTags Simplification
QCreator Deepak Rohilla

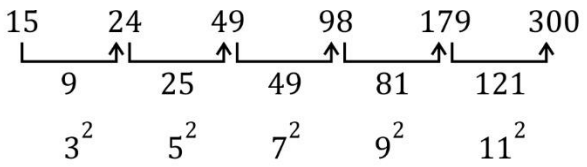
Q14. 70% of 1680 + ?% of 1750 = 55% of 2820 – 886
(a) 36
(b) 34
(c) -28.4
(d) -38.6
(e) -29.2
L1Difficulty 2
QTags Simplification
QCreator Deepak Rohilla

Q15. $6^3 \times 3^4 \div 9^3 + ?^2 = 7^2$
(a) 4
(b) 7
(c) 5
(d) 6
(e) 8
L1Difficulty 2
QTags Simplification
QCreator Deepak Rohilla

Solutions

S1. Ans.(e)
Sol.
Pattern is,
$\times 0.5 + 1,\ \times 1 + 1,\ \times 1.5 + 1,\ \times 2 + 1,\ \times 2.5 + 1$
$27 \times 2.5 + 1 = 68.5$

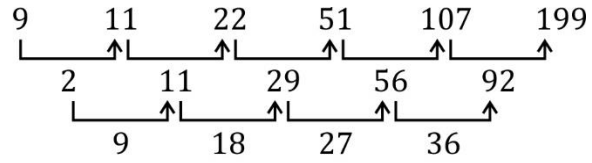
S2. Ans.(b)
Sol.
Pattern is,



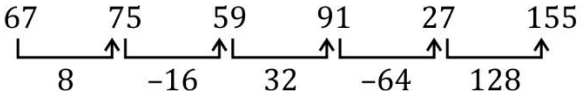
S3. Ans.(a)
Sol.
Pattern is,

$\times 1 + 1,\ \times 2 + 2,\ \times 3 + 3,\ \times 4 + 4,\ \times 5 + 5$

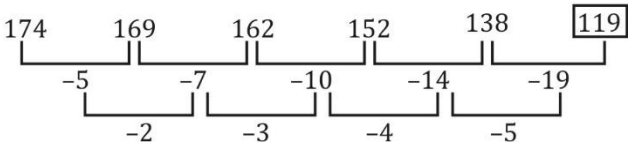
S4. Ans.(d)
Sol.
Pattern is,



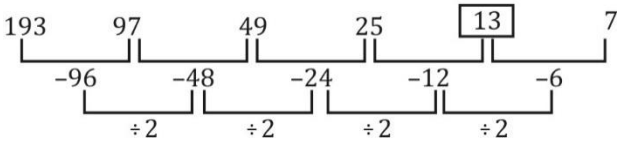
S5. Ans.(b)
Sol.
Pattern is,



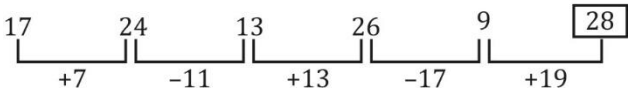
S6. Ans.(a)
Sol. Series



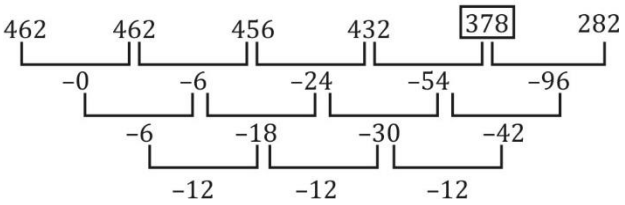
S7. Ans.(d)
Sol.



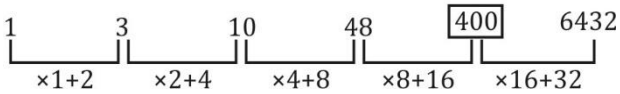
S8. Ans.(d)



S9. Ans.(b)



S10. Ans.(c)
Sol. Series



S11. Ans.(b)
Sol.
$? = 326 \times 14 - 12 \times 88 + (49)^2$
$= 4564 - 1056 + 2401$
$= 6965 - 1056 = 5909$

S12. Ans.(c)
Sol.
$\frac{45}{7} \times 266 + 630 = 7985 - ? - 5200$
or, $1710 + 630 = 7985 - ? - 5200$
$\therefore ? = 2785 - 2340 = 445$

S13. Ans.(b)
Sol.
$124\sqrt{?} + 876 = \frac{3}{4}$ of $840 + 742$
or $124\sqrt{?} + 876 = 630 + 742$
or $124\sqrt{?} = 1372 - 876$
or, $\sqrt{?} = \frac{496}{124} = 4$
$\therefore ? = 4^2 = 16$

S14. Ans.(e)
Sol.
70% of $1680 + \frac{?}{100}$ of 1750
$= 55\%$ of $2820 - 886$
or, $\frac{70}{100} \times 1680 + \frac{?}{100} \times 1750 = \frac{55}{100} \times 2820 - 886$
or, $1176 + 17.5 \times ? = 1551 - 886 = 665$
or, $17.5 \times ? = 665 - 1176$
$\therefore ? = \frac{-511}{17.5} = -29.2$

S15. Ans.(c)
Sol.

$6^3 \times 3^4 \div 9^3 + (?)^2 = 7^2$
or, $216 \times \frac{81}{729} + (?)^2 = 7^2$
or, $24 + (?)^2 = 7^2$
or, $(?)^2 = 49 - 24 = 25$
$? = \sqrt{25} = 5$