Quiz Date: 17th September 2020

Directions (1-15): Find the wrong term that does not follow the sequence followed by other terms in each of the following number series

Q1. 630, 315, 210, 156, 126, 105, 90
(a) 126
(b) 156
(c) 105
(d) 315
(e) 90

Q2. 15, 29, 57, 99, 153, 225, 309
(a) 225
(b) 309
(c) 57
(d) 99
(e) 153

Q3. 7, 10, 15, 24, 41, 74, 141
(a) 141
(b) 41
(c) 10
(d) 74
(e) 7

Q4. 259, 253, 245, 229, 197, 133, 5
(a) 5
(b) 197
(c) 259
(d) 253
(e) 133

Q5. 945, 1890, 1260, 504, 144, 30
(a) 945
(b) 144
(c) 30
(d) 504
(e) Series is correct

Q6. 9, 5, 9, 24, 49, 84, 129
(a) 24
(b) 129
(c) 5
(d) 9
(e) 84

Q7. 205, 194, 172, 139, 95, 39
(a) 95
(b) 39
(c) 205
(d) 194
(e) 40

Q8. 8, 7, 12, 32, 128, 635, 3804
(a) 635
(b) 12
(c) 7
(d) 32
(e) 3804

Q9. 9, 6, 11, 4, 13, 2, 17
(a) 13
(b) 17
(c) 9
(d) 4
(e) Series is correct

Q10. 10, 27, 54, 88, 132, 185, 247
(a) 54
(b) 247
(c) 88
(d) 185
(e) 10

Q11.10, 15, 24, 35, 54, 75, 100
(a) 35
(b) 75
(c) 24
(d) 15
(e) 54

Q12. 3, 2, 3, 6, 12, 37.5, 115.5
(a) 37.5
(b) 3
(c) 6
(d) 2
(e) 12

Q13. 2, 3, 11, 38, 102, 229, 443
(a) 11
(b) 229
(c) 102

(d) 38
(e) 3

Q14. 13, 25, 40, 57, 79, 103, 130
(a) 25
(b) 40
(c) 57
(d) 79
(e) 103

Q15. 142, 119, 100, 83, 65, 59, 52
(a) 65
(b) 100
(c) 59
(d) 119
(e) 52

Solutions

S1. Ans. (b)
Sol.
The pattern of the series is –
$\times\frac{1}{2}, \times\frac{2}{3}, \times\frac{3}{4}, \times\frac{4}{5}, \times\frac{5}{6}, \times\frac{6}{7}$
So, $630 \times \frac{1}{2} = 315$
$315 \times \frac{2}{3} = 210$
$210 \times \frac{3}{4} = 157.5$
$157.5 \times \frac{4}{5} = 126$
$126 \times \frac{5}{6} = 105$
$105 \times \frac{6}{7} = 90$
So, there should be 157.5 instead of 156.

S2. Ans. (e)
Sol.
The pattern of the series is –
$15 + 14 \times 1 = 29$
$29 + 14 \times 2 = 57$
$57 + 14 \times 3 = 99$
$99 + 14 \times 4 = 155$
$155 + 14 \times 5 = 225$
$225 + 14 \times 6 = 309$
So, there should be 155 instead of 153.

S3. Ans. (a)
Sol.
The pattern of the series is –
$7 \times 2 - 4 = 10$
$10 \times 2 - 5 = 15$
$15 \times 2 - 6 = 24$
$24 \times 2 - 7 = 41$
$41 \times 2 - 8 = 74$
$74 \times 2 - 9 = 139$
So, there should be 139 instead of 141.

S4. Ans. (c)
Sol.
The pattern of the series is –
$257 - 4 = 253$
$253 - 8 = 245$
$245 - 16 = 229$
$229 - 32 = 197$
$197 - 64 = 133$
$133 - 128 = 5$
So, there should be 257 instead of 259.

S5. Ans. (c)
Sol.
The pattern of the series is –
$945 \div 0.5 = 1890$
$1890 \div 1.5 = 1260$
$1260 \div 2.5 = 504$
$504 \div 3.5 = 144$
$144 \div 4.5 = 32$
So, there should be 32 instead of 30.

S6. Ans. (c)
Sol.
The pattern of the series is –
$-5, +5, +15, +25, +35, +45$
$9 - 5 = 4$
$4 + 5 = 9$
$9 + 15 = 24$
$24 + 25 = 49$
$49 + 35 = 84$
$84 + 45 = 129$
So, there should be 4 instead of 5.

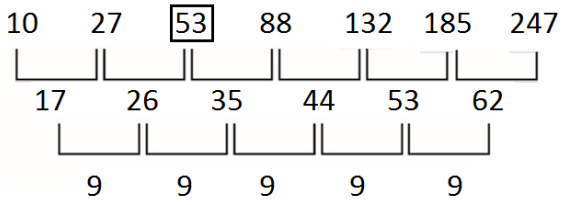
S7. Ans. (b)
Sol.

The pattern of the series is –
$205 - 11 = 194$
$194 - 22 = 172$
$172 - 33 = 139$
$139 - 44 = 95$
$95 - 55 = 40$
So, there should be 40 instead of 39.

S8. Ans. (d)
Sol.
The pattern of the series is –
$8 \times 1 - 1 = 7$
$7 \times 2 - 2 = 12$
$12 \times 3 - 3 = 33$
$33 \times 4 - 4 = 128$
$128 \times 5 - 5 = 635$
$635 \times 6 - 6 = 3804$

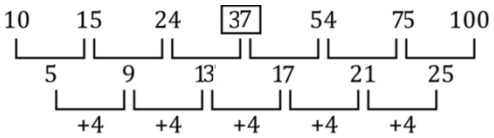
S9. Ans. (b)
Sol.
The pattern of the series is –
$-3, +5, -7, +9, -11, +13$
9 – 3 = 6
6 + 5 = 11
11 – 7 = 4
4 + 9 = 13
13 – 11 = 2
2 + 13 = 15
So, there should be 15 instead of 17.

S10. Ans. (a)
Sol.
The pattern of the series is –



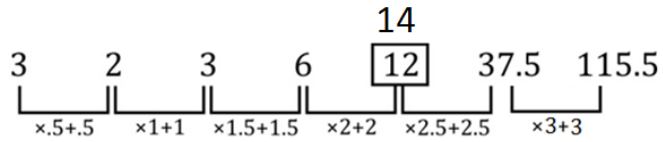
So, there should be 53 instead of 54.

S11. Ans.(a)
Sol.



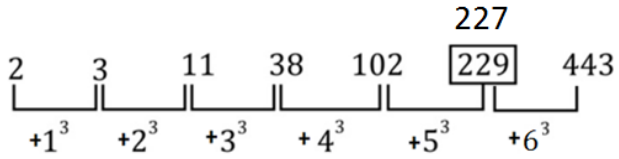
Clearly replace 35 → 37

S12. Ans.(e)
Sol.



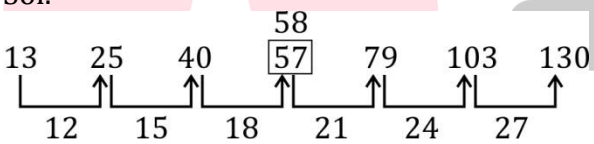
6 × 2 + 2 = 14
Replace 12 with 14

S13. Ans.(b)
Sol.

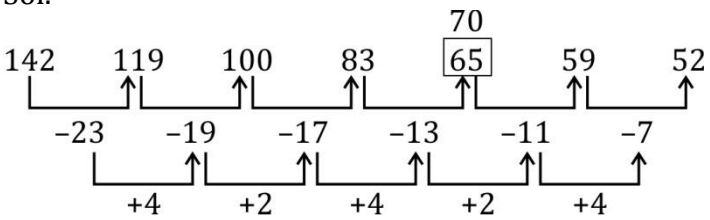


102 + 125 = 227
Replace 229 → 227

S14. Ans.(c)
Sol.



S15. Ans.(a)
Sol.



Replace 65 → 70