

Quiz Date: 31st August 2020

Directions (1-15): Given series follow a pattern, either the series correct or one of the numbers does not follow the pattern. You have to find out that number. If all number are correct than answer as series is correct.

Q1. 48, 26, 28, 44, 88, 227, 683

- (a) 683
- (b) 48
- (c) 223
- (d) 26
- (e) 88

Q2. 280, 204, 264, 216, 252, 228, 240

- (a) 280
- (b) 264
- (c) 240
- (d) 228
- (e) 204

Q3. 3600, 600, 120, 30, 10, 5, 2.5

- (a) 3600
- (b) 5
- (c) 10
- (d) 2.5
- (e) 120

Q4. 4, 5, 10, 34, 94, 214, 424

- (a) 424
- (b) 5
- (c) 214
- (d) 4
- (e) 10

Q5. 4, 6, 15, 49, 201, 1005, 6073

- (a) 6073
- (b) 6
- (c) 201
- (d) 4
- (e) 1005

Q6. 4, 11, 39, 163, 823, 4947, 34639

- (a) 11
- (b) 4
- (c) 4947
- (d) 39
- (e) Series is correct

Q7. 19, 24, 33, 43, 55, 69, 85

- (a) 24
- (b) 19
- (c) 33
- (d) 55
- (e) 85

Q8. 36, 34, 22, -8, -64, -154, -286

- (a) 36
- (b) 22
- (c) -8
- (d) -64
- (e) Series are correct

Q9. 3, 8, 17, 36, 73, 146, 297

- (a) 3
- (b) 17
- (c) 297
- (d) 146
- (e) Series are correct

Q10. 0, 1, 9, 36, 81, 225, 441

- (a) 0
- (b) 1
- (c) 36
- (d) 81
- (e) Series are correct

Q11. 45, 44, 49, 39, 55, 30, 66

- (a) 45
- (b) 44
- (c) 30
- (d) 49
- (e) Series is correct

Q12. 3, 9, 23, 99, 479, 2881, 20154

- (a) 3
- (b) 23
- (c) 99
- (d) 288
- (e) Series is correct

Q13. 5, 3, 6, 7.5, 17, 45, 138

- (a) 6
- (b) 5



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- (c) 7.5
 (d) 17
 (e) None of these

Q14. 10, 12, 15, 22, 38, 70, 126

- (a) 10
 (b) 12
 (c) 15
 (d) 38
 (e) 127

Q15. 2, 13, 27, 113, 561, 3369, 23581

- (a) 2
 (b) 13
 (c) 113
 (d) 3369
 (e) 23581

Solutions

S1. Ans.(e)

Sol.

$$\begin{array}{ccccccc}
 48 & 26 & 28 & 44 & \boxed{90} & 227 & 683 \\
 | & | & | & | & | & | & | \\
 \times 0.5+2 & \times 1+2 & \times 1.5+2 & \times 2+2 & \times 2.5+2 & \times 3+2 &
 \end{array}$$

S2. Ans.(a)

Sol.

$$\begin{array}{ccccccc}
 \boxed{276} & 204 & 264 & 216 & 252 & 228 & 240 \\
 | & | & | & | & | & | & | \\
 -72 & +60 & -48 & +36 & -24 & +12 &
 \end{array}$$

S3. Ans.(d)

Sol.

$$\begin{array}{ccccccc}
 3600 & 600 & 120 & 30 & 10 & 5 & \boxed{5} \\
 | & | & | & | & | & | & | \\
 \div 6 & \div 5 & \div 4 & \div 3 & \div 2 & \div 1 &
 \end{array}$$

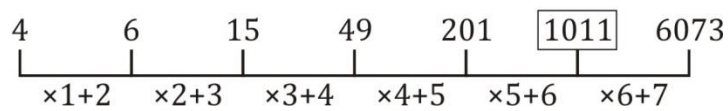
S4. Ans.(b)

Sol.

$$\begin{array}{ccccccc}
 4 & \boxed{4} & 10 & 34 & 94 & 214 & 424 \\
 | & | & | & | & | & | & | \\
 0 & 6 & 24 & 60 & 120 & 210 & \\
 \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \\
 1^3-1 & 2^3-2 & 3^3-3 & 4^3-4 & 5^3-5 & 6^3-6 &
 \end{array}$$

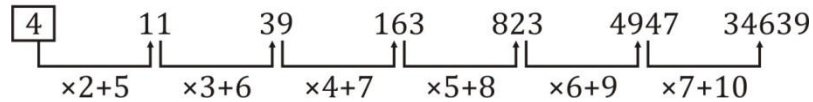
S5. Ans.(e)

Sol.



S6. Ans.(b)

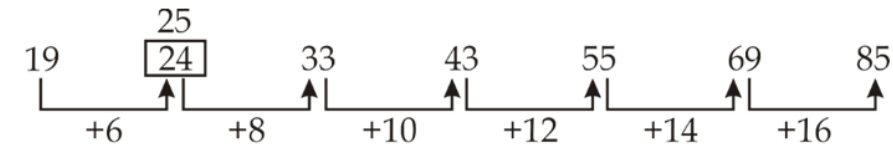
Sol.



4 is written in place of 3.

S7. Ans.(a)

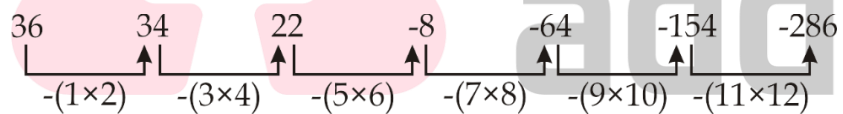
Sol.



24 is written in place of 25.

S8. Ans.(e)

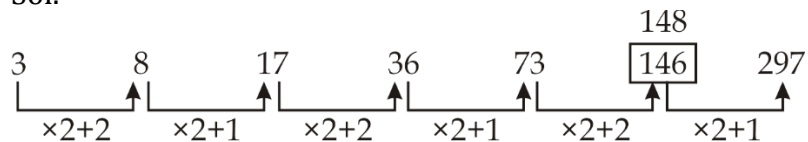
Sol.



Series is correct.

S9. Ans.(d)

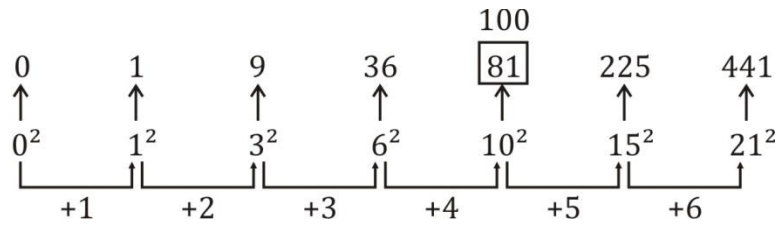
Sol.



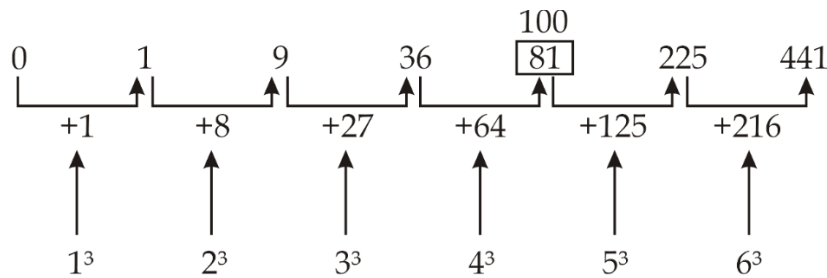
146 is written in place of 148.

S10. Ans.(d)

Sol.



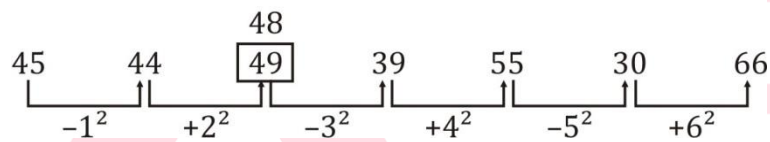
Or



81 is written in place of 100.

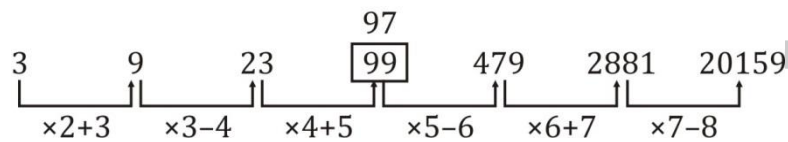
S11. Ans.(d)

Sol.



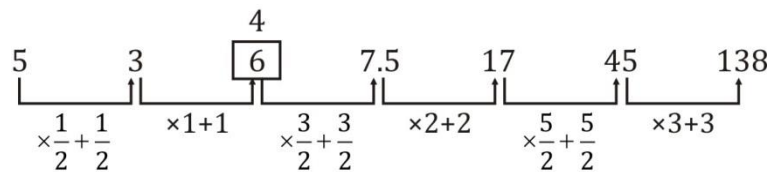
S12. Ans.(c)

Sol.



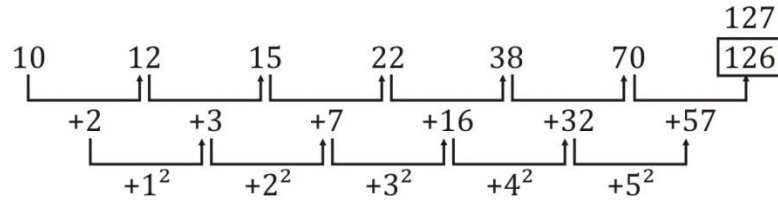
S13. Ans.(a)

Sol.



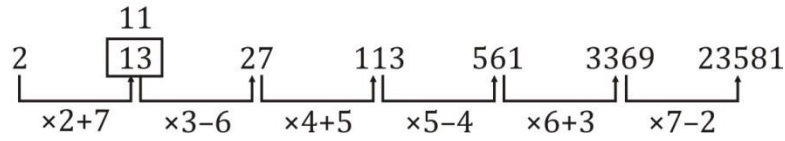
S14. Ans.(e)

Sol.



S15. Ans.(b)

Sol.



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