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S1. Ans.(b)
Sol. Pattern is ×2, ×4, ×8, ×16, ×32, ….
∴ ? = 12 × 8 = 96

S2. Ans.(d)
Sol. Pattern is ×1–1, ×3– 3, ×5–5, ×7–7, ×9 –9
∴ ? = 25 × 7– 7 = 168

S3. Ans.(c)
Sol. Series is
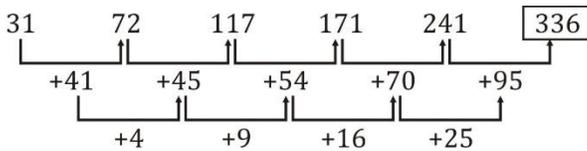
S4. Ans.(a)
Sol. Pattern is ×3, ÷2, ×3, ÷2, ×3, ÷2
? = 81 ÷ 2 = 40.5

S5. Ans.(c)
Sol. Series is
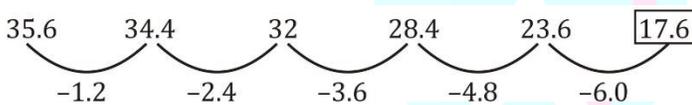
S6. Ans.(b)
Sol. Pattern is +11×1, –11×3, +11×5, –11×7, +11×9
∴ ? = 67 + 11 × 9 = 166

S7. Ans.(b)
Sol. Series is
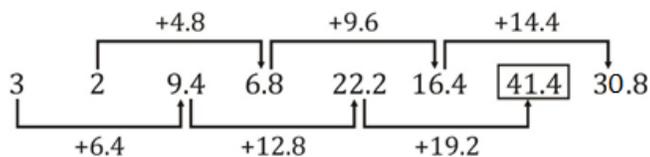
S8. Ans.(a)
Sol. Series is
7 × 0.5 + 0.5 = 4
4 × 1 + 1 = 5
5 × 1.5 + 1.5 = 9
9 × 2 + 2 = 20
20 × 2.5 + 2.5 = 52.5

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S9. Ans.(d)
Sol. Series is
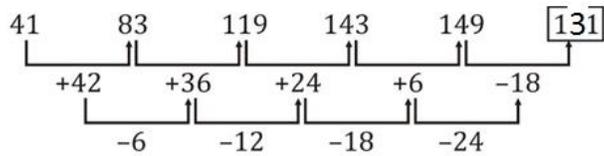
S10. Ans.(c)
Sol. Pattern is ×1, ×0.1, ×0.01, ×0.001, ×0.0001

∴ ? = 10 × 0.001

= 0.01

S11. Ans.(b)
Sol. Series is ×4, ×4, ×4, ×4, ×4…….

∴ ? = 768 × 4

= 3072

S12. Ans.(c)
Sol. Series is
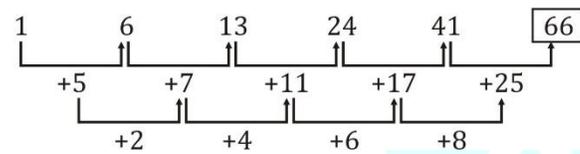
S13. Ans.(a)
Sol. Series is ×2+1, ×3+1, ×4+1, ×5+1, ×6+1….

∴ ? = 326 × 6 + 1

= 1957

S14. Ans.(a)
Sol. Series is 7^2, 9^2, 11^2, 13^2, 15^2, 17^2, 19^2

∴ ? = 19^2

= 361

S15. Ans.(d)
Sol. Series is ×1, ×1.5, ×2, ×2.5, ×3….

∴ ? = 7.5 ×3

= 22.5

S16. Ans.(c)
Sol. Series is +5, +15, +25, +35, +45

∴ wrong term = 84.7

S17. Ans.(c)
Sol.
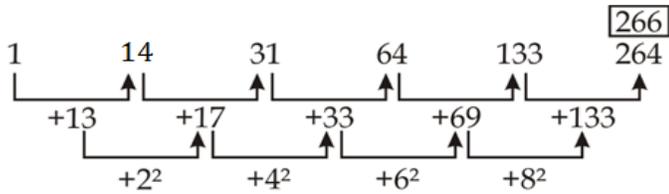
S18. Ans.(a)
Sol. Series is ×0.5, ×1, ×2, ×4, ×8, ×16
∴ Required term = 8 × 8
= 64 ≠ 32

S19. Ans.(b)
Sol. Series is $13^2 - 1, 17^2 - 1, 19^2 - 1, 23^2 - 1, 31^2 - 1$
∴ wrong term = 841

S20. Ans.(c)
Sol. Series is ×10, ÷ 8, ×6, ÷ 4, ×2
∴ Wrong term = 28

S21. Ans.(c)
Sol. Pattern is
$6 \times 7 - 10 = 32$
$32 \times 5 - 8 = 152$
$152 \times 3 - 6 = 450$
$450 \times 1 - 4 = 446$
$? = 450 \times 1 - 4 = 446$

S22. Ans.(e)
Sol. Pattern is $\times 1.2, \times 2.2, \times 3.2, \ldots\ldots$
? = 887.04 × 5.2 = 4612.608

S23. Ans.(b)
Sol. Pattern is $(11^2 + 11), (12)^2 + 12, (13)^2 + 13, \ldots\ldots$
So, $? = 15^2 + 15 = 240$

S24. Ans.(b)
Sol. Pattern is $-27, -27, -27, \ldots\ldots\ldots$
∴ ? = 146 – 27 = 119

S25. Ans.(e)
Sol.

19   68   ?   129   145   154

      49   36   25   16   9

    (7^2) (6^2) (5^2) (4^2) (3^2)
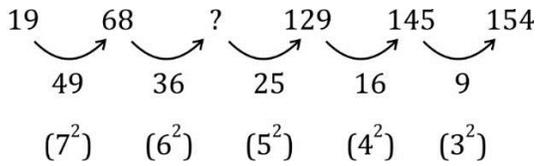
∴ ? = 68 + 36 = 104

S26. Ans.(b)
Sol. The pattern is

1 × 3 + 2 = 5

5 × 5 + 4 = 29

29 × 7 + 6 = 209

209 × 9 + 8 = $\boxed{1889}$

1889 × 11 + 10 = 20789

S27. Ans.(c)
Sol. Series is

71   88   113   150   203   276

   +17   +25   +37   +53   +73

     +8   +12   +16   +20

      +4   +4   +4

? = 276

S28. Ans.(a)
Sol. Series is

359   437   523   615   711   809

  +78   +86   +92   +96   +98

     +8   +6   +4   +2
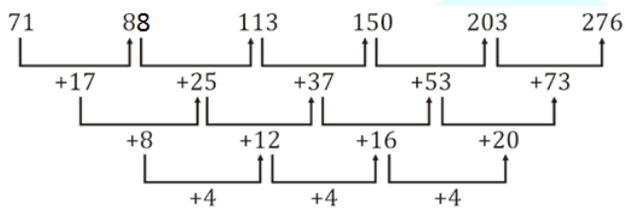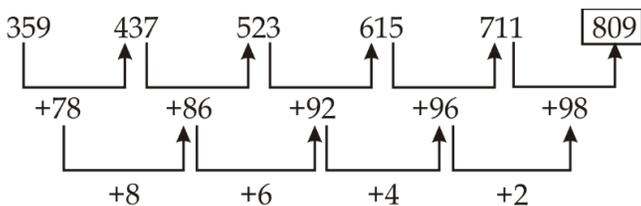
? = 809

S29. Ans.(d)
Sol. Pattern is

3 × 2 – 1 = 6 – 1 = 5

5 × 4 – 3 = 20 – 3 = 17

17 × 6 – 5 = 102 – 5 = 97

97 × 8 – 7 = 776 – 7 = 769

769 × 10 – 9 = 7690 – 9 = $\boxed{7681}$

S30. Ans.(e)

Sol. Series is

$15.5 + 1 × 13.5 = 15.5 + 13.5 = 29$

$29 + 2 × 13.5 = 29 + 27 = 56$

$56 + 3 × 13.5 = 56 + 40.5 = 96.5$

$96.5 + 4 × 13.5 = 96.5 + 54 = 150.5$

$150.5 + 5 × 13.5 = 15.5 + 67.5 = \boxed{218}$