Sum of Series

1. S = 9 + 99 + 8 + 89 + 7 + ……. To n

2. S = 1 + 1 + 2 + 3 + 5 + ……..... To n

3. S = 2 – 4 + 6 – 8 + ……. To n

4. S = (1*2) + (2*3) + …… To n

5. S = 1 + (1+2) + (1+2+3) …… To n

6. S=a/2+a/3+a/4+ ……+a/n

7. S=(a+1)/2 + (a+3)/4 + (a+5)/6 +……. + n

8. S=1/2 – 2/3 + 3/4 - ……. -10/11

9. S=1+ 1/2! + 1/3! +1/4!+ …….. + 1/10!

10. S=1+ a^2/1! + a^3/2! + a^4/3! + ……..To n

11. S=$\frac{1+2}{2*3} + \frac{2+3}{3*4} + \frac{3+4}{4*5}$ + …….. To n

12. S=1+(1*2)+2+(1*2*3)+3+ ……+9+(1*2*3*4*…..10)

13. S=1!+2!+3!+4!+…….. To n

14. S=1/2 + 2/3 + 3/4 + ……. To n

15. S= 1+ 3/4 + 5/9 + …….. To n

16. S=2/3 - 4/5 + 6/7- 8/9 + …….. To n

17. S= a + a^2/2 + a^3/3 + ……+ a^n/n

18. S= a + a/2! + a/3! + …….. a/n!

19. S=a/2 + a/4 + a/8 + …… to n

20. S=1 –a/2 + 3 – a/4 + 5- a/6 + …… to n

21. S=a/2! - a/3! + a/4! – a/5! + …….. a/n!

22. S= (a+1) + (a+2) + (a+3) + ……+ (a+n)

23. S= 1/a + 2/a^2 + 3/a^3 + …….. n/a^n

24. S=a- a^3/5 + a^5/9 - a^7/13 + …….. to n