



The Wisdom Global School

Subject – Mathematics
Topic – Sum of Airthmetic Progressions
(Worksheet)

Sum of first natural consecutive numbers

Q.1 $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + \dots + 20$

Q.2 $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + \dots + 80$

Q.3 $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + \dots + 120$

Sum of consecutive odd numbers

Q.4 $1 + 3 + 5 + 7 + 9 + 11 + \dots + 35$

Q.5 $1 + 3 + 5 + 7 + 9 + 11 + \dots + 79$

Q.6 $1 + 3 + 5 + 7 + 9 + 11 + \dots + 97$

Sum of consecutive even numbers

Q.7 $2 + 4 + 6 + 8 + 10 + 12 + \dots + 26$

Q.8 $2 + 4 + 6 + 8 + 10 + 12 + \dots + 48$

Q.9 $2 + 4 + 6 + 8 + 10 + 12 + \dots + 86$

Sum of consecutive square natural numbers

Q.10 $1^2 + 2^2 + 3^2 + 4^2 + 5^2 + 6^2 + \dots + 10^2$

Q.11 $1^2 + 2^2 + 3^2 + 4^2 + 5^2 + 6^2 + \dots + 23^2$

Q.12 $1^2 + 2^2 + 3^2 + 4^2 + 5^2 + 6^2 + \dots + 57^2$

Sum of consecutive square odd numbers

Q.13 $1^2 + 3^2 + 5^2 + 7^2 + \dots + 25^2$

Q.14 $1^2 + 3^2 + 5^2 + 7^2 + \dots + 37^2$

Q.15 $1^2 + 3^2 + 5^2 + 7^2 + \dots + 67^2$

Sum of consecutive square even numbers

Q.16 $2^2 + 4^2 + 6^2 + 8^2 + \dots + 20^2$

Q.17 $2^2 + 4^2 + 6^2 + 8^2 + \dots + 32^2$

Q.18 $2^2 + 4^2 + 6^2 + 8^2 + \dots + 94^2$

Sum of consecutive cube natural numbers

Q.19 $1^3 + 2^3 + 3^3 + 4^3 + 5^3 + \dots + 12^3$

Q.20 $1^3 + 2^3 + 3^3 + 4^3 + 5^3 + \dots + 50^3$

Q.21 $1^3 + 2^3 + 3^3 + 4^3 + 5^3 + \dots + 12^3$

Sum of consecutive even cube numbers

Q.22 $2^3 + 4^3 + 6^3 + \dots + 10^3$

Q.23 $2^3 + 4^3 + 6^3 + \dots + 38^3$

Q.24 $2^3 + 4^3 + 6^3 + \dots + 70^3$

Q.25 Find the sum of $732 + 733 + 734 + 735 + 736 + 737 + 738 + 739 + 740 + 741$

Q.26 Find the sum of 10 consecutive numbers start from 31.

Q.27 Find the sum of multiplication table of 98.

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