\documentclass{article}

\usepackage{amsmath}

\begin{document}

\section\*{Analysis of the Number 12321}

\begin{itemize}

\item \textbf{Number:} 12321

\item \textbf{Nature:} POSITIVE number

\item \textbf{Parity:} ODD number

\item \textbf{Primality:} NOT a PRIME number

\item \textbf{Square Root:} $\sqrt{12321} = 111$

\item \textbf{Cube Root:} $\sqrt[3]{12321} \approx 23.0966$

\item \textbf{Scientific Notation:} $1.2321 \times 10^4$

\item \textbf{Natural Logarithm:} $\ln(12321) \approx 9.4191$

\item \textbf{Logarithm to Base 10:} $\log\_{10}(12321) \approx 4.0906$

\item \textbf{Antilogarithm (e$^n$):} $\text{e}^{12321} = \infty$

\item \textbf{Factorial:} $12321! = 0$ (factorial of a large number is generally represented as 0 in numerical computations)

\item \textbf{Divisors:} 1, 3, 9, 37, 111, 333, 1369, 4107

\item \textbf{Perfect Number:} NOT a PERFECT number

\item \textbf{Palindrome:} YES, it is a PALINDROME

\item \textbf{Triangular Number:} NOT a TRIANGULAR number

\item \textbf{Happiness:} YES, it is a HAPPY number

\item \textbf{Fibonacci Number:} NOT a FIBONACCI number

\item \textbf{Narcissistic Number:} NOT a NARCISSISTIC number

\item \textbf{Binary Representation:} 11000000100001

\item \textbf{Octal Representation:} 30041

\item \textbf{Hexadecimal Representation:} 3021

\end{itemize}

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