

Dewey Decimal System Day Solution

Answer: XXXXXXXXXX

The flavortext starts with "First, word..." which is a hint to look at the first words of each title. If you do, you will see the following (punctuation added to make it easier to understand).

**There Are Two Types Of Nonfiction Books In The Shelves:
Ones That Match Their Number Category And Those Which Don't.
Use Library Thing Melvil Site.**

This indicates that some titles are correctly categorized and some aren't. Your task is to identify which are which.

The last shelf says to use the LibraryThing Melvil site:
<https://www.librarything.com/mds/>. This site contains a visualization that makes it easier to click through categories.

(This puzzle is also doable by using the Wikipedia Dewey Decimal System page or other sources. There are some matches that may be vaguely ambiguous, but it should mostly be guessable.)

In the table below, the correctly categorized titles are highlighted green.

There are Three Holes in a Pretzel: An Introduction to Topology	Are You Financially Stable? Introduction to Microeconomics	Two Paradigms of Computer Languages	Types of Public Libraries in the US	Of Age: Psychological Research on Growing Adolescents
001.98	003.52	005.13	027.47	155.51
Nonfiction and Education: Effective Use of Literature in the Classroom	Books Unearthed: Historical Records of Ancient Architecture	In God's Name: Religion in the Classroom	The Evolution of Fantasy: Myths and Folklores	Shelves of Policies: Democracy in the United States
174.25	199.66	200.71	248.85	320.97
Ones and Zeros: The Spread of Digital Information	That Calls for a Celebration: Social Customs at Mardi Gras	Match in Meaning: Linguistic Semantics	Their, There, They're: Understanding Grammar	Number Theory: Of Integers and Functions
345.73	394.25	401.43	428.24	493.10
Category 5: Catastrophic Hurricanes	And The Music Played On: A Melodic Journey Through History	Those Same Differences: American Cultural Diaspora	Which Foods Should I Put in My Body? A Guide to Eating Healthier	Don't Plagiarize: How to Cite Sources Properly

551.55	567.90	599.86	613.21	690.83
Use the Correct Tools: Guidebook for Household Cleaning	Library of Autonomy: The Emergence of Self-driving Vehicles	Thing of Destiny: Unraveling Themes of Greek Literature	Melvil: An Autobiography	Site Seekers: Exploring the Wonders of Manchuria
759.03	782.14	880.93	888.01	915.18

The extraction is to use binary. This is clued by the "base, two" in the flavortext, but can also be inferred by the binary nature of categorizing titles into "correct" and "incorrect".

Reading the correctly categorized titles as 1s, you get the following.

Binary	Base 10 Number	Number to Letter
00111	7	G
00101	5	E
01110	14	N
10010	18	R
00101	5	E

Converting the base 10 numbers into letters gives us the answer **GENRE**.