

Find the Day of the Week of Any Day in the Century

Have you ever wondered what day of the week you were born on? Or what day of the week a certain historical event happened? With a little bit of math, you can use the Zeller Congruence to find the day of the week for any given date.



Find the day of the week of any day in the Century: Accurate, fast, entertaining, simple and convenient.

by Charlotte Collins

★★★★☆ 4 out of 5

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Enhanced typesetting : Enabled
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The Zeller Congruence

The Zeller Congruence is a formula that can be used to calculate the day of the week for any given date. The formula is as follows:

$$h = (q + (26 * m - 2) - 2 * c + y + (y / 4) + (c / 4)) \% 7$$

where:

- **q** is the day of the month (1-31)
- **m** is the month number (1-12)
- **c** is the century (0 for the 19th century, 1 for the 20th century, etc.)
- **y** is the year (0-99)

To use the Zeller Congruence, simply plug the given values into the formula and calculate the result. The result will be a number between 0 and 6, which corresponds to the day of the week (0 = Sunday, 1 = Monday, 2 = Tuesday, 3 = Wednesday, 4 = Thursday, 5 = Friday, 6 = Saturday).

Example

Let's say we want to find the day of the week for July 4, 1776. Using the Zeller Congruence, we can calculate the result as follows:

$$h = (4 + (26 * 7 - 2) - 2 * 18 + 76 + (76 / 4) + (18 / 4)) \% 7 \quad h = (4 +$$

The result is 4, which corresponds to Thursday. Therefore, July 4, 1776 was a Thursday.

The Zeller Congruence is a useful tool for finding the day of the week for any given date. With a little bit of practice, you can use the formula to quickly and easily calculate the day of the week for any day in the century.

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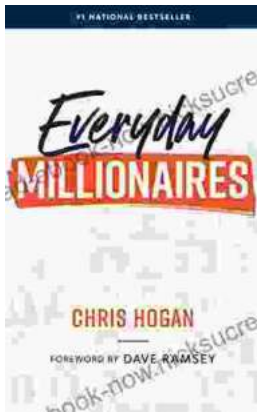
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