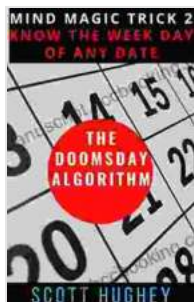


# Know The Weekday Of Any Date Mind Magic Tricks



## The Doomsday Algorithm: Know the Weekday of Any Date (Mind Magic Tricks Book 2) by Scott Hughey

★★★★☆ 4 out of 5

Language : English  
File size : 1166 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 68 pages  
Lending : Enabled



Have you ever wondered how some people can instantly tell you the weekday of any date? It may seem like a superpower, but it's actually a simple trick that anyone can learn.

The key to this trick is to use a mathematical formula that takes into account the year, month, and day of the date. Once you have the formula memorized, you can use it to calculate the weekday of any date in the Gregorian calendar.

### The Mathematical Formula

The mathematical formula for calculating the weekday of any date is as follows:

$$\text{weekday} = (y + y/4 - y/100 + y/400 + m + d + c) \bmod 7$$

where:

\* `y` is the year (e.g., 2023) \* `m` is the month (e.g., 1 for January, 2 for February, etc.) \* `d` is the day of the month (e.g., 15) \* `c` is a constant that depends on the century (see table below)

Century	c	1700s	1800s	1900s	2000s
		6	4	2	0

## Example

Let's say we want to find the weekday of March 15, 2023. Using the formula above, we have:

$$\text{weekday} = (2023 + 2023/4 - 2023/100 + 2023/400 + 3 + 15 + 0) \text{ mod } 7$$

$$\text{weekday} = 3$$

Therefore, March 15, 2023 is a Wednesday.

## Tips for Memorizing the Formula

The mathematical formula for calculating the weekday of any date can be a bit tricky to memorize. Here are a few tips to help you remember it:

- \* Break the formula down into smaller chunks. For example, you can remember the numerator and denominator of the fraction separately.
- \* Use mnemonic devices to help you remember the different parts of the formula. For example, you can think of the constant `c` as the "century correction factor."
- \* Practice using the formula as often as possible. The more you use it, the easier it will become to remember.

## Impress Your Friends and Family

Once you have mastered the mathematical formula, you can impress your friends and family with your amazing mental ability. Simply ask them to give you any date, and you can instantly tell them the weekday.

This trick is a great way to show off your math skills and amaze your friends. It's also a fun and challenging way to keep your mind sharp.

Learning the weekday of any date is a simple trick that anyone can learn. With a little practice, you can master the mathematical formula and impress your friends and family with your amazing mental ability.



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