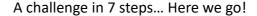
MAGIC DAY CALCULATOR ADVENTURE!

Hi there, little friend!

I will help you find out what day of the week any date falls on!





1. Take the last 2 digits of the year.

For example, if the year is 2023, just take 23. Easy, right?

2. **Divide the year number by 4**, without the remainder, **and add it**.

If your year number is 23, do 23/4 which is 5 (forget about the remainder!). Add it to 23 and you get 28. You're doing great!

3. Add the "Century Correction"

Look at the century you're in and use this chart:

1500: 0

1600: 6

1700: 4

1800: 2

1900: 0

2000: -1

If your year is 2023, you're in the 2000s, so the century correction is -1. So 28-1=27. Keep going!

4. Add the "Month Coefficient"

Each month has a number you need to remember:

1 (0 if leap year) January:

4 (3 if leap year) February:

March:

April: 0

May: 2

June: 5

July: 0

August: 3

September: 6

October: 1

November: 4

December: 6

5. Add the day of the month.

If your date is August 19, 2023, the day of the month is 19. 30+19=49

Good job!

Recap: you just added those numbers up like a pro!

$$YY + YY/4 + CC + MC + D$$

23 + 5 - 1 + 3 + 19 = 49

6. Divide the sum by 7 and find the remainder:

 $49 \div 7 = 7$ with remainder 0

You're doing some fancy math now, but I believe in you!

7. Look at the remainder and find the day of the week:

- 0: Saturday
- 1: Sunday
- 2: Monday
- 3: Tuesday
- 4: Wednesday
- 5: Thursday
- 6: Friday

If your remainder is 0, the day of the week is Saturday.

There you have it, my friend! The 19th of August 2023 is a Saturday!

Little tired? But you did it!!!





You're a real math wizard now, and I'm so proud of you!

