



How many Mondays are there in that year if a year starts and ends with Monday?

How many Mondays are there in that year if a year starts and ends with Monday?

53

52

51

50

Show Answer...

Correct Answer: 53

Exploring the Number of Mondays in a Year



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How many Mondays are there in that year, If a year starts and ends on Monday?

A common question that arises when considering the calendar year is, "[How many Mondays are there in a year?](#)" To answer this question, it's important to understand the structure of the Gregorian calendar and how weekdays repeat throughout the year.



How many Mondays are there in that year if a year starts and ends with Monday?

Answer:

B. 53

Explanation:

In a standard year, there are 52 weeks. Since each week contains one Monday, we might assume that there are 52 Mondays in a year. However, if a year starts and ends with a Monday, there is an additional Monday at the beginning of the year, bringing the total to 53 Mondays.

Understanding the Calendar:

The Gregorian Calendar:

The Gregorian calendar, which is widely used today, follows a seven-day week cycle. This cycle repeats throughout the year, with each day of the week occurring multiple times.

Repetition of Weekdays:

Weekdays, including Monday, repeat every seven days. This means that if a year begins and ends with a Monday, there will be 53 Mondays in that year.

Calculating Mondays in one complete Year:

Understanding the structure of the Gregorian calendar and the repetition of weekdays allows us to determine the number of Mondays in a given year. While there are typically 52 weeks in a year, starting and ending a year with a Monday result in 53 Mondays, providing an extra occurrence of this weekday.

Applying Calendar Knowledge:

Knowing how to calculate the number of Mondays in a year can be helpful for scheduling, planning events, and organizing activities. By understanding the patterns of the calendar, individuals and organizations can effectively manage their time and resources throughout the year.



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Detailed Mathematical Solution: Understanding the Calculation of Mondays in a Year

Step 1: Total Days

There are 365 days in a year, which can be expressed as $364 + 1$ day.

Step 2: Weeks in a Year

$$\left[\frac{364}{7} \right] = 52$$

There are 52 weeks in a year.

Step 3: Mondays in one Year

Since each week contains one Monday, there would generally be 52 Mondays. However, if the year starts and ends with a Monday, there is an additional Monday at the beginning of the year.

Conclusion:

Therefore, the correct answer is 53 Mondays of the year when it starts and ends with Monday.



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