

To calculate the number of days between two dates, we can follow these steps:

1. **Identify the Dates:** We are calculating the number of days from December 29, 2016, to December 29, 2024.
2. **Determine the Time Span:** We need to find the total number of days over the 8 years from 2016 to 2024.
3. **Count Leap Years:** 2016 and 2020 are leap years in this span. A leap year has 366 days instead of the regular 365. Counting those: 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, and 2024. The leap years are 2016 and 2020.
4. **Calculate Total Days:**
 - Years: 2016 to 2024 = 8 years
 - Regular years (6 total): 365 days each = $6 * 365 = 2,190$ days
 - Leap years (2 total): 366 days each = $2 * 366 = 732$ days
 - Total days = $2,190 + 732 = 2,922$ days
5. **Final Result:** The total number of days from December 29, 2016, to December 29, 2024, is **2,922 days**.