GATE ALL BRANCHES

GENERAL APTITUDE

QUANTITATIVE APTITUDE



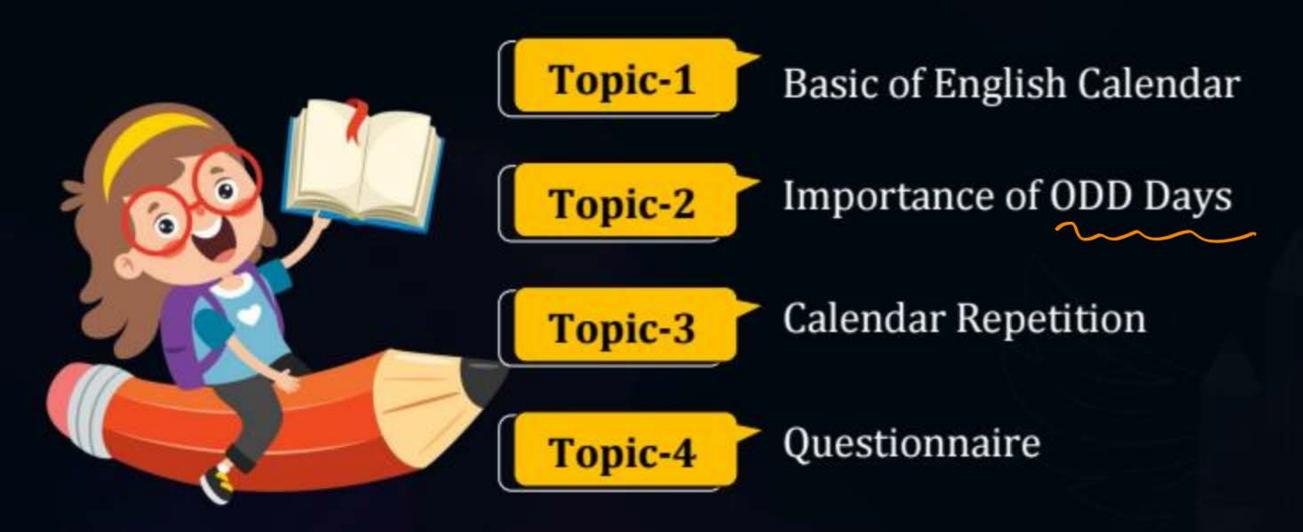
Lecture No.- 01

Topics to be Covered







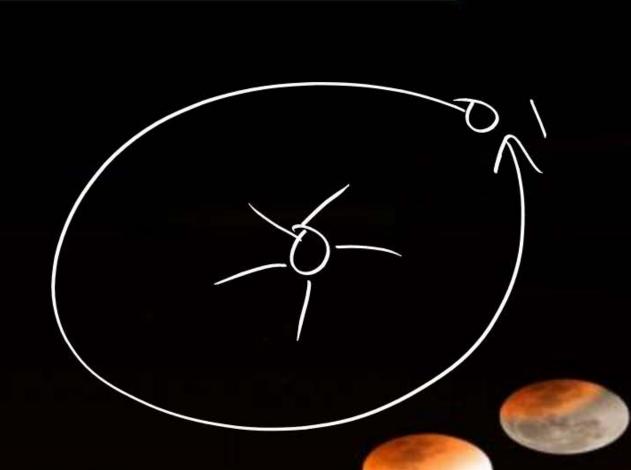


CALENDAR

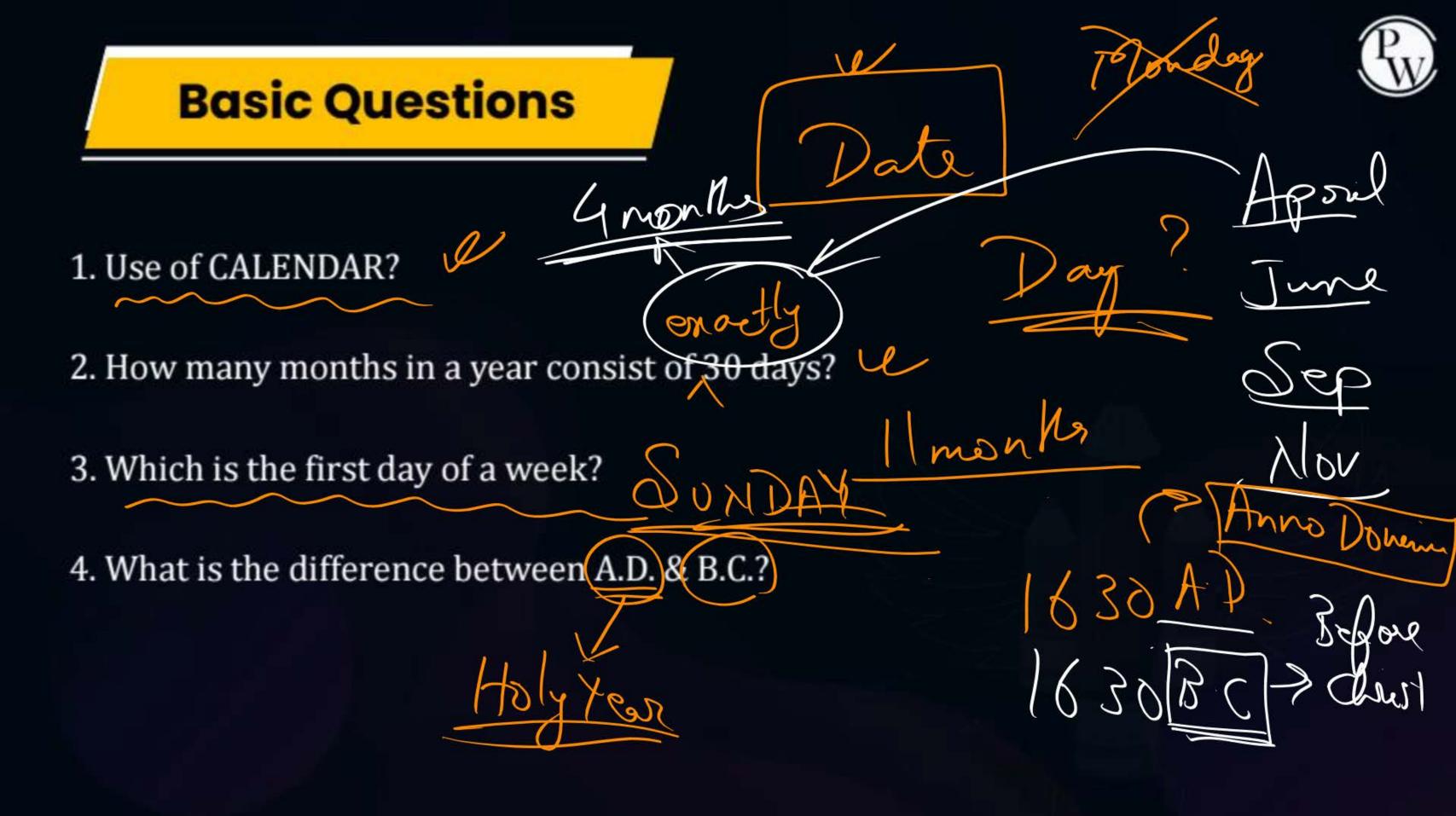




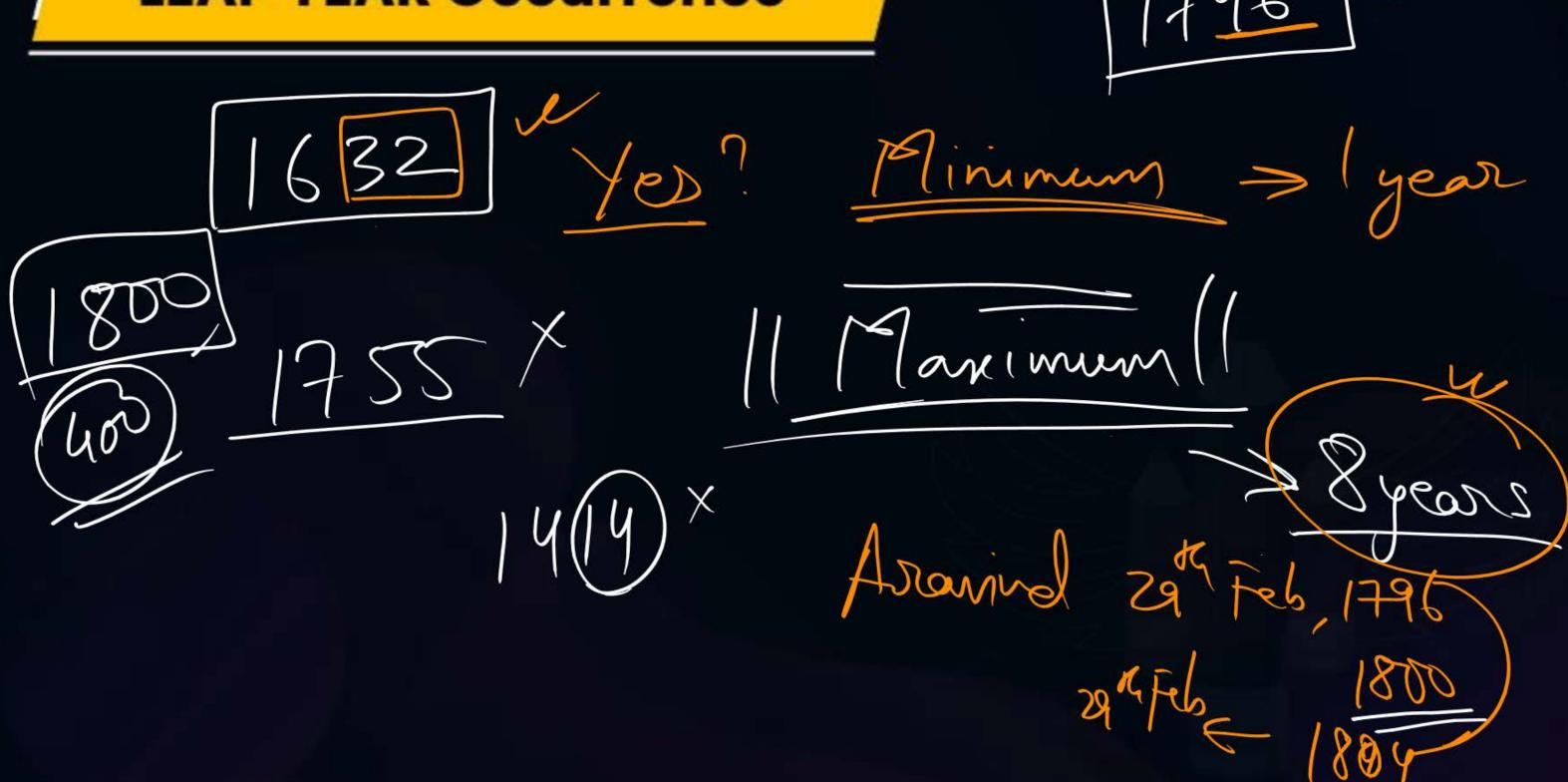




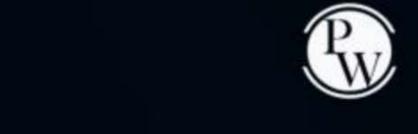




LEAP YEAR Occurrence



To be Noted:

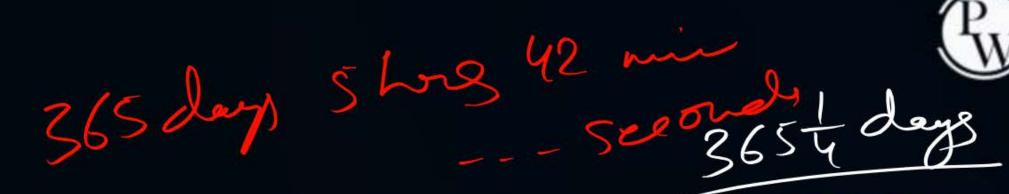


✓If a year is divisible by 4 then it's a leap year else normal. e.g. 1652, 1212, 1496, 1708, etc. are leap years whereas 1714, 1446, 2006 etc. are normal years.

✓If a century is divisible by 400 then it's a leap year else normal. e.g. 1600, 1200, 2000, 800 etc. are leap years whereas 1000, 1500, 2100 etc. are normal years.

96 Leap You

ODD DAYS



As today is 6th May, 2024. The day is Monday.

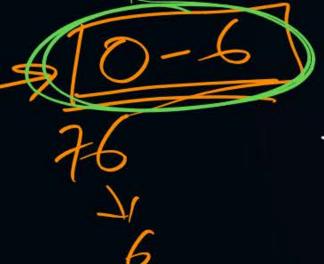
365 day) (6 hg)

✓ What would be the day on 16th May, 2024?

6 kg 6 kg

10 days
365
365
365
365
365

ODD DAYS







✓ All those number of days which can't be kept in a group of a week.

OR

✓ When given number of days is divided by 7, the remainder is called as odd days.

42 35

10

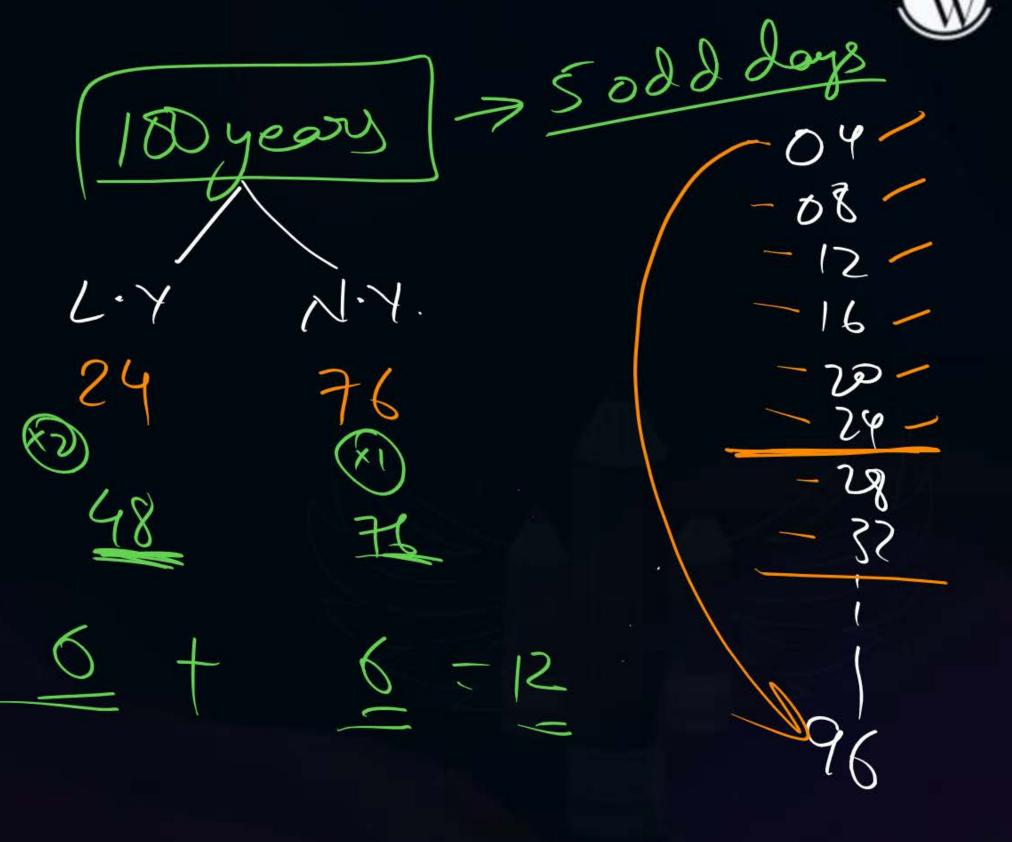
22

To olde

Normal Year & Leap Year



First Century



Odd Days in Centuries



1700 1300 900 500 100 > 5
1800 1400 1500 600 200 > 3
1900 1500 1100 700 300 > 1
2000 1600 1200 800 400 > 0

Date

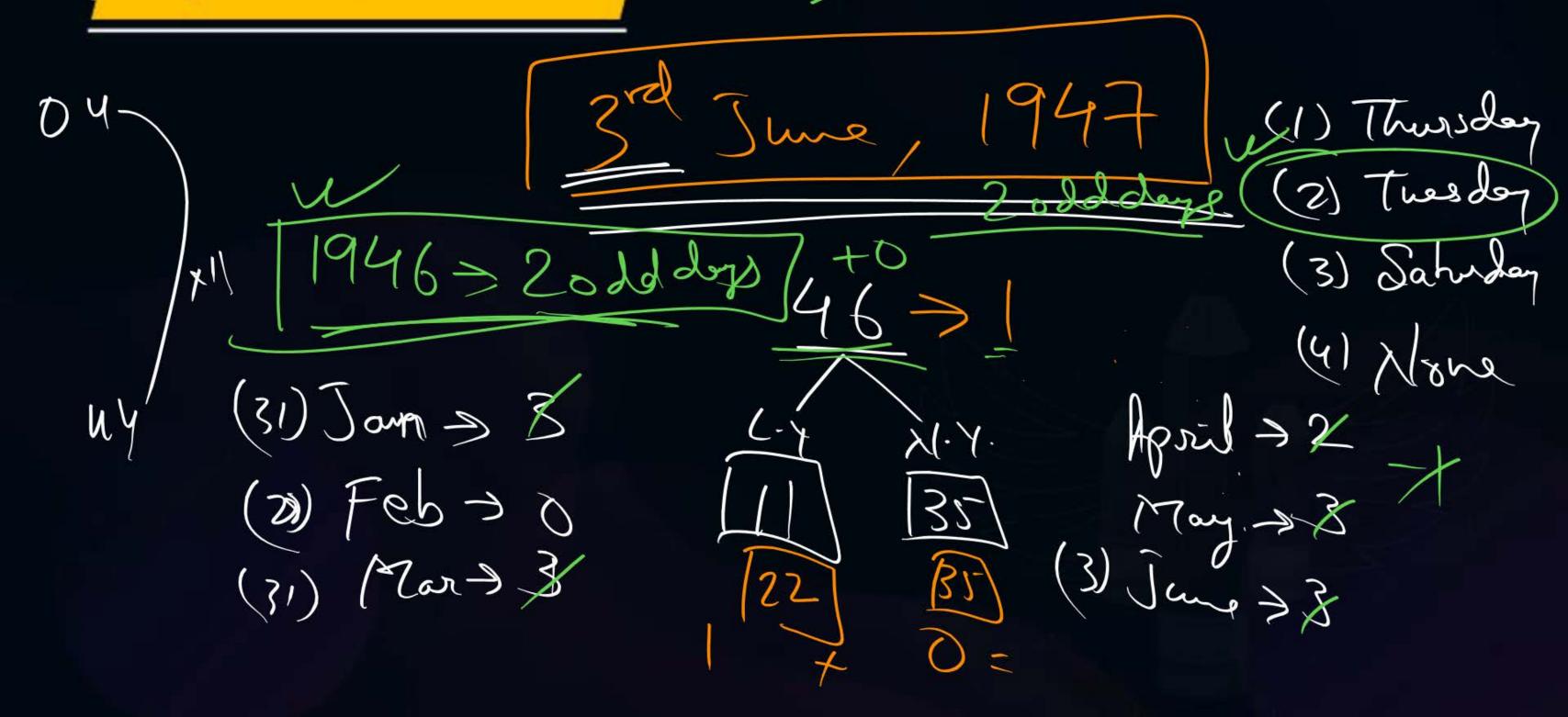
Day >?

Dedres day **Questionnaire:** 2003 Oodd dag 3 od ddays) Syears - Normal Year

Questionnaire:

1900 > 1 odd day





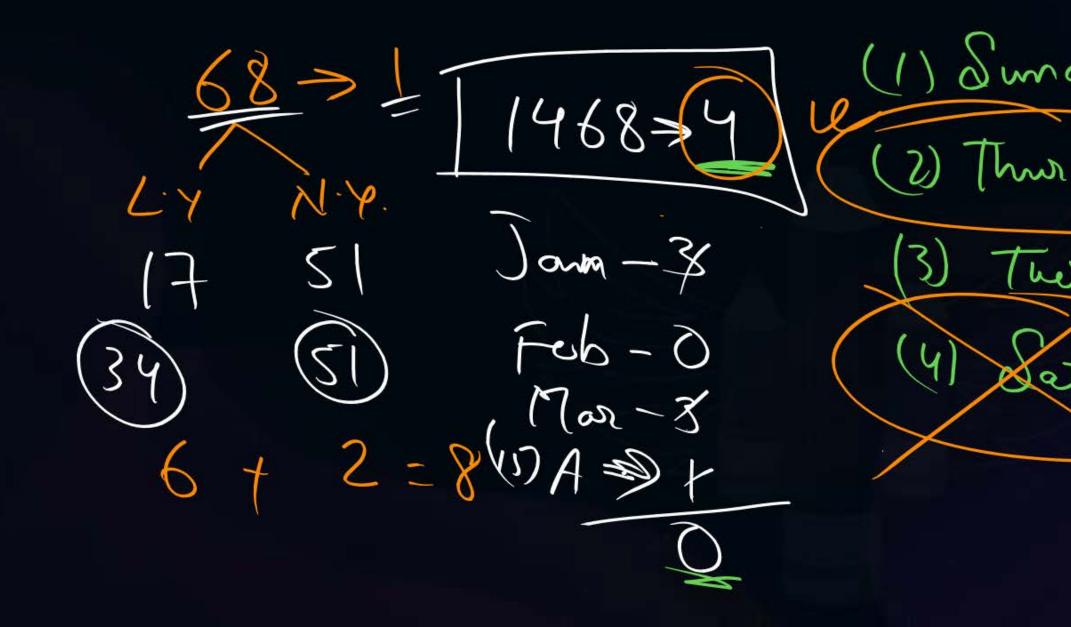
Questionnaire:





#Q. Guru Nanak was born on 15th April, 1469. What was the week day?













April 15, 1469: Day of the Week

April 15, 1469 was the 105th day of the year 1469 in the Gregorian calendar.

There were 260 days remaining until the end of the year. The day of the week was *Thursday*.

The day of the week for April 15, 1469 under the old Julian calendar was Saturday. Did you notice the difference with the Gregorian calendar?



CALENDAR REPETITION







$$20|6\rightarrow 2$$
 $20|7\rightarrow 1$
 $20|8\rightarrow 1$
 $20|9\rightarrow 1$
 $20|9\rightarrow 1$
 $2020\rightarrow 2$
 $2021\rightarrow 1$







#Q. 2005 calendar is same as which of the given years?







#Q. When does 2016 calendar repeats?





$$2016 \Rightarrow 2$$
 $2021 \Rightarrow 1$
 $2017 \Rightarrow 1$ $2022 \Rightarrow 1$
 $2018 \Rightarrow 1$ $2023 \Rightarrow 1$
 $2019 \Rightarrow 1$
 $2020 \Rightarrow 2$
 2043



+ 28

+28





Q. Is a year consist of 382 days and every week hos & days, then how many odd day will be Kere in The year?

Pw

Conditional Question

Of the lost day of any contury be which weekday? 100 => 5 Funday rebeen 200 > 3 Welmer Ly 300 > 1 Mondon Thursday 400 20 Sunday



#Q. Mahatma Gandhi was born on 2nd October 1869. What was the week Day?



- Pw
- #Q. The day of the March 16th of any year is the same day of the week as the corresponding date in which month of the same year?
- July November April September



#Q. If January 1st, 1992 was a Wednesday. What day of the week was January

1st, 2003?



Wednesday

Thursday

Friday

1993-1994>1

1994 - 1995 ->

11709 1995-1995-1995-2X



2 mins Summary



Topic

Calendar



THANK - YOU