

Calendar (Day 2)

Type = 1

Date change year Same

Type = 2

Date Same year change

Calendar (Day 2)

Date & years both change

Type 3

10 October 2019 = Tuesday + 1

20 December 2024 = ?

Step-1 Date $\Rightarrow$ $\overset{0}{\cancel{21}} + 2 + \overset{6}{\cancel{26}} \Rightarrow \underline{\underline{8}}$

wednesday

$\frac{8}{7} \Rightarrow \textcircled{1}$

Step-2 years $\Rightarrow 5 + 2(4y) \Rightarrow \frac{7}{7} \Rightarrow 0$

Calendar (Day 2)

2 June 2011 = Sunday - 2

11 March 2031 = ?

Friday

Date $\Rightarrow$ $\overset{6}{\cancel{20}} + \cancel{1} + \cancel{3} + \cancel{1} \Rightarrow -\underline{\underline{6}}$

year $\Rightarrow$ $20 + 5 \Rightarrow \frac{25}{7} \Rightarrow \textcircled{4}$

$-6 + 4$
 $\Rightarrow \textcircled{-2}$

Calendar (Day 2)

1 December 2027 = Saturday - 2

14 November 2011 = ?

Thursday

$$\text{Date} \Rightarrow \overset{2}{\cancel{16}} + 1 \Rightarrow \underline{\underline{-3}}$$

$$\text{year} \Rightarrow 16 + 4 \Rightarrow \frac{20}{7} \Rightarrow \underline{\underline{-6}}$$

$$\begin{aligned} & -3 + -6 \\ & \Rightarrow \frac{-9}{7} \Rightarrow \\ & \underline{\underline{-2}} \end{aligned}$$

Calendar (Day 2)

26 January 2008 = Sunday + 0 ↗

15 August 2020 = ? Sunday ↘

Step-1

Date

$$\Rightarrow \cancel{8} + \underline{\cancel{2}} + \cancel{3} + \cancel{2} + \cancel{3} + 2 + 3 + \cancel{18}^1$$

$$\Rightarrow \underline{\underline{6}}$$

Step-2

year $\Rightarrow \cancel{12}^5 + 3(48) \Rightarrow \cancel{8}^7 \Rightarrow 1$

$6 + 1$
 $\Rightarrow \cancel{7}^7 \Rightarrow \textcircled{0}$

Note →

∴ हमने step - 1 Feb. को 29 days की ले

लिया है,

∴ 2008 को leap year Count नहीं करेंगे।

Calendar (Day 2)

Type 4

Direct get weekly wise from a Date

$$\begin{array}{l} \text{100 years} + 24 \Rightarrow \frac{124}{7} \Rightarrow 5 \text{ odd } \underline{\text{days}} \\ \swarrow \quad \searrow \\ 76 \text{ N.y.} \quad 24 \text{ L.y.} \\ 76 \times 1 \Rightarrow 76 \quad 24 \times 2 \Rightarrow 48 \end{array}$$

$$76 + 48 \Rightarrow \frac{124}{7} \Rightarrow 5 \text{ odd } \underline{\underline{\text{days}}}$$

$$1700 - 5, 1800 - 3, 1900 - 1, 2000 - 0$$

$$400 \rightarrow 100$$

$$100 + 25$$

$$\Rightarrow \frac{125}{7}$$

$$\Rightarrow \underline{\underline{6}} \text{ odd days}$$

$$100 - 5 \text{ odd days}$$

$$200 - \frac{5+5}{7} \Rightarrow 3 \text{ odd days}$$

$$300 \Rightarrow \frac{5+5+5}{7} \Rightarrow 1 \text{ odd day}$$

$$400 \Rightarrow \frac{5+5+5+6}{7} \Rightarrow 0 \text{ odd days}$$

$$100 - 5$$

$$200 - 3$$

$$300 - 1$$

$$400 - 0$$

$$500 - 5$$

$$600 - 3$$

$$700 - 1$$

$$800 - 0$$

$$900 - 5$$

$$1000 - 3$$

$$1100 - 1$$

$$1200 - 0$$

Calendar (Day 2)

Note 1. Monday on 1 January 1 A.D.

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

100 years	5
200 years	3
300 years	1
400 years	0
500 years	5

.

1700 - 5

1800 - 3

1900 - 1

2000 - 0

Calendar (Day 2)

Q. Which day on 11 Apr. 2023?

4 $\Rightarrow$ Thursday

$$\frac{23}{4} \Rightarrow \textcircled{5}$$

11 Apr. 2024 $\Rightarrow$?

Date $\Rightarrow$ ~~3~~ + ~~1~~ + ~~3~~ + ~~11~~⁴ $\Rightarrow$ 4

Year $\Rightarrow$ 2023 $\begin{cases} 2000 \Rightarrow 0 \\ 23 + 5 \Rightarrow \frac{28}{7} \Rightarrow 0 \end{cases}$

Calendar (Day 2)

7 September 1998 = ?

monday

Date $\Rightarrow 3 + 0 + 3 + \cancel{1} + \cancel{3} + \cancel{1} + 3 + 3 + \cancel{7}$

$$\frac{12}{7} \Rightarrow \textcircled{5}$$

$\textcircled{1}$ odd
 $5 + 1 + 2 \Rightarrow \frac{8}{7}$

1997 $\left\{ \begin{array}{l} 1900 \Rightarrow \textcircled{1} \\ 97 + \underline{24} \Rightarrow \frac{121}{7} \Rightarrow \textcircled{2} \end{array} \right.$

Calendar (Day 2)

15 August 1947 = ? Friday

Date $\Rightarrow 3 + 0 + \cancel{3} + \cancel{2} + \cancel{3} + \cancel{2} + 3 + \cancel{15}^I$
 $\Rightarrow \textcircled{3}$

Year $\Rightarrow 1946 \begin{cases} 1900 \Rightarrow \textcircled{1} \\ 46 + 11 \Rightarrow \frac{57}{4} \Rightarrow \textcircled{1} \end{cases}$

$\textcircled{5}$

Calendar (Day 2)

26 January 1950 = ?

Thursday

$$\begin{aligned} \text{Date} &\Rightarrow \cancel{26} \Rightarrow \textcircled{5} & \frac{11}{7} &\Rightarrow \textcircled{4} \\ \text{Year} &\Rightarrow 1949 \begin{cases} 1900 \Rightarrow \textcircled{1} \\ 49 + 12 \Rightarrow \frac{61}{7} \Rightarrow \textcircled{5} \end{cases} \end{aligned}$$

Calendar (Day 2)

Q. which of the following days can never be the last day of any century ?

प्र. निम्न में से कौन सा दिन कभी भी किसी सदी का अंतिम दिन नहीं हो सकता है?

A. Sunday B. Monday C. Wednesday ☒ D. Tuesday

last day first day

100	-	5	-	1
200	-	3	-	6
300	-	1	-	4
400	-	0	-	2
				1

Calendar (Day 2)

Q. which of the following days can never be the First day of any century ?

प्र. निम्नलिखित में से कौन सा दिन कभी भी किसी सदी का पहला दिन नहीं हो सकता है?

- ✓ A. Sunday B. Monday C. Thursday D. Saturday

First

1 - mon

6 - Sat

4 - Thur.

2 - Tues

Calendar (Day 2)

Type 5

Normal Year = 365 days = 52 week 1 day = In a ordinary year , January 1st day will come 53 times , all the rest 52 times.

Leap Year = 366 days = 52 week 2 day = In a leap year , January 1st & 2nd days will come 53 times , all the rest 52 times.

Calendar (Day 2)

Q. If 2 march 2011 is Friday. So in this year which day of the week will come 53 times ?

प्र. यदि 2 मार्च 2011 को शुक्रवार है। तो इस वर्ष में सप्ताह का कौन सा दिन 53 बार आएगा ?

Calendar (Day 2)

Q. If 2 march 2012 is Friday. So in this year which day of the week will come 53 times ?

प्र. यदि 2 मार्च 2012 को शुक्रवार है। तो इस वर्ष में सप्ताह का कौन सा दिन 53 बार आएगा ?

Calendar (Day 2)

Q. If 15 August 1947 is Wednesday. So in this year which day of the week will come 53 times ?

प्र. यदि 15 अगस्त 1947 को बुधवार है। तो इस वर्ष में सप्ताह का कौन सा दिन 53 बार आएगा ?

Calendar (Day 2)

Type 6

30 days = 4 week 2 days = in this month 1st & 2nd date will come 5 times , all the rest of 4 times.

31 days = 4 week 3 days = in this month 1st , 2nd & 3rd date will come 5 times , all the rest of 4 times.

30 दिन = 4 सप्ताह 2 दिन = इस महीने में पहली और दूसरी तारीख 5 बार आएगी, बाकी सभी 4 बार।

31 दिन = 4 सप्ताह 3 दिन = इस महीने में पहली, दूसरी और तीसरी तारीख 5 बार आएगी, बाकी सभी 4 बार।

Calendar (Day 2)

12

Calendar (Day 2)

Q. If in a year 16 June is Tuesday then in this month which week of the day will come 5 times ?

प्र. यदि एक वर्ष में 16 जून को मंगलवार है तो इस माह में किस सप्ताह में 5 बार दिन आएगा?

Calendar (Day 2)

Q. If in a year 12 October is Thursday then in this month which week of the day will come 5 times ?

प्र. यदि एक वर्ष में 12 अक्टूबर को गुरुवार है तो इस माह में किस सप्ताह में 5 बार दिन आएगा?

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