

# Calendar

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part-3

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# # Odd Days in Century #

## शताब्दी में विषम दिन

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Total No. of days

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7

$R(0, 1, 2, 3, 4, 5, 6)$

↓

Extra days  
odd days

$\div 400$  से divide करते हैं century/शताब्दी को।

0.Y  $\leftarrow$  100 साल  $\longrightarrow$   $\boxed{5}$  odd days

0.Y  $\leftarrow$  200 साल  $\longrightarrow 5 \times 2 = 10, \frac{10}{7} R(3) \longrightarrow \boxed{3}$

0.Y  $\leftarrow$  300 साल  $\longrightarrow 5 \times 3 = 15, \frac{15}{7} R(1) \longrightarrow \boxed{1}$

(L.Y)  $\leftarrow$  400 साल  $\longrightarrow 5 \times 4 = 20, 20 + 1 = 21, \frac{21}{7} R(0) \longrightarrow \boxed{0}$

oddday

$100 \rightarrow 5$   
 $200 \rightarrow 3$   
 $300 \rightarrow 1$   
 $400 \rightarrow 0$

$900 \rightarrow 5$   
 $1000 \rightarrow 3$   
 $1100 \rightarrow 1$   
 $1200 \rightarrow 0$

$500 \rightarrow 5$   
 $600 \rightarrow 3$   
 $700 \rightarrow 1$   
 $800 \rightarrow 0$

$1300 \rightarrow 5$   
 $1400 \rightarrow 3$   
 $1500 \rightarrow 1$   
 $1600 \rightarrow 0$

$1700 \rightarrow 5$   
 $1800 \rightarrow 3$   
 $1900 \rightarrow 1$   
 $2000 \rightarrow 0$

$400 \overline{) 500} (1$   
 $\underline{400}$   
 $R(100) \rightarrow 5$

\* 400 साल बाद कैलेंडर Repeat / समान दिखाई देता है।



4 Century  
शताब्दी

23 Sept. 1626 → Wednesday



-400 year

23 Sept. 2026 → Wednesday



+400 year

23 Sept. 2426 → Wednesday

# # Odd Days in Monthमहिनी में विषम दिन

|      | Day                 | odd day $\rightarrow \div 7$ |
|------|---------------------|------------------------------|
| Jan. | $\rightarrow 31$    | $\rightarrow 3$              |
| Feb  | $\rightarrow 28/29$ | $\rightarrow 0/1$            |
| Mar. | $\rightarrow 31$    | $\rightarrow 3$              |
| Apr. | $\rightarrow 30$    | $\rightarrow 2$              |
| May  | $\rightarrow 31$    | $\rightarrow 3$              |
| June | $\rightarrow 30$    | $\rightarrow 2$              |

|       | Day              | odd day         |
|-------|------------------|-----------------|
| July  | $\rightarrow 31$ | $\rightarrow 3$ |
| Aug   | $\rightarrow 31$ | $\rightarrow 3$ |
| Sept. | $\rightarrow 30$ | $\rightarrow 2$ |
| Oct.  | $\rightarrow 31$ | $\rightarrow 3$ |
| Nov.  | $\rightarrow 30$ | $\rightarrow 2$ |
| Dec.  | $\rightarrow 31$ | $\rightarrow 3$ |

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Owd Day  
विषम दिन

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- |   |   |                    |
|---|---|--------------------|
| 0 | → | Sunday / रविवार    |
| 1 | → | Monday / सोमवार    |
| 2 | → | Tuesday / मंगलवार  |
| 3 | → | Wednesday / बुधवार |
| 4 | → | Thursday / गुरुवार |
| 5 | → | Friday / शुक्रवार  |
| 6 | → | Saturday / शनिवार  |

# # Last Day of Century #

## शताब्दी का अंतिम दिन

| $\div 400$      | शेषफल    | $\times$          | <u>odd day</u> | $\times$          | <u>Day</u>         |
|-----------------|----------|-------------------|----------------|-------------------|--------------------|
|                 | $R(100)$ | $\longrightarrow$ | 5              | $\longrightarrow$ | Friday / शुक्रवार  |
|                 | $R(200)$ | $\longrightarrow$ | 3              | $\longrightarrow$ | Wednesday / बुधवार |
|                 | $R(300)$ | $\longrightarrow$ | 1              | $\longrightarrow$ | Monday / सोमवार    |
| Multiple of 400 | $R(0)$   | $\longrightarrow$ | 0              | $\longrightarrow$ | Sunday / रविवार    |

Last Day of Century  
शताब्दी का अंतिम दिन

|   |   |   |   |
|---|---|---|---|
| 0 | 1 | 3 | 5 |
|---|---|---|---|

↓   ↓   ↓   ↓  
Sun. Mon. Wed. Fri.

कौनसे शताब्दी के अंतिम  
दिन नहीं होंगे ?

Not Last Day of Century  
X

|   |   |   |
|---|---|---|
| 2 | 4 | 6 |
|---|---|---|

↓   ↓   ↓  
Tue. Thu. Sat.

1<sup>st</sup> Century  $\rightarrow$  1<sup>st</sup> day  $\rightarrow$  1 Jan. 0001  
 1<sup>st</sup> Century  $\rightarrow$  Last day  $\rightarrow$  31 Dec. 100

2<sup>nd</sup> Century  $\rightarrow$  (101-200)

3<sup>rd</sup> Cen.  $\rightarrow$  (201-300)

4<sup>th</sup> Cen.  $\rightarrow$  (301-400)

5<sup>th</sup> Cen  $\rightarrow$  (401-500)

6<sup>th</sup>  $\rightarrow$  (501-600)

7<sup>th</sup>  $\rightarrow$  (601-700)

8<sup>th</sup>  $\rightarrow$  (701-800)

9<sup>th</sup>  $\rightarrow$  (801-900)

10<sup>th</sup>  $\rightarrow$  (901-1000)

...

16<sup>th</sup>  $\rightarrow$  (1501-1600)

17<sup>th</sup>  $\rightarrow$  (1601-1700)

\* Last day of 15<sup>th</sup> century (31<sup>st</sup> dec. 1500) → ① odd day

1<sup>st</sup> Day of 16<sup>th</sup> Century  
→ 1 Jan. 1501

Monday  
↓ +1  
Tuesday  
मंगलवार

Last Day of 16<sup>th</sup> Century  
→ 31 Dec. 1600

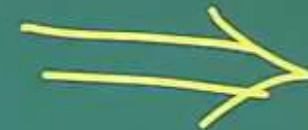
Sunday  
रविवार

$$\begin{array}{r} 1500 \\ 400 \overline{) 1500} \end{array} R(300)$$

$$\begin{array}{r} 1600 \\ 400 \overline{) 1600} \end{array} R(0)$$
 ↓  
 ① odd day  
→ Sunday

Last Day of 17<sup>th</sup> century

31<sup>st</sup> Dec. 1700



Friday

↓ +1

Saturday  
शनिवार

1<sup>st</sup> day of 18<sup>th</sup> century



1 Jan. 1701



$\frac{1700}{400} R(100)$   
↓  
[5] odd days  
→ Friday

\* Last Day of 11<sup>th</sup> Century

31 Dec. 1100 → Monday

सोमवार

$$R(100) \rightarrow 5$$

$$R(200) \rightarrow 3$$

$$R(300) \rightarrow 1$$

$$R(0) \rightarrow 0$$

29<sup>th</sup> Cen. of Last day

→ 31 Dec. 2900 → Friday ✓

$$\frac{2900}{400} R(100) \rightarrow 5$$

$$\frac{1100}{400} R(300)$$

1 → Monday

24<sup>th</sup> Century का Last Day

→ 31 Dec. 2400 → Sunday

$$\frac{2400}{400} R(0) \downarrow \boxed{\bigcirc} \text{odd day}$$

25<sup>th</sup> Century का 1<sup>st</sup> day → ?

1 Jan. 2401 → Monday

Thank You

Keep Smile Always

