

DATE AND CALENDAR



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1. If the first day of a non-leap year falls on a Friday, what would be the last day of the year?

A Saturday

B Friday

C Monday

D Tuesday

Solution

If the year is not a leap year, then the last day of the year is the same as the first day.

2. If the 30th January 2003 was thursday, what was the day on 2nd march, 2003?

A Sunday

B Thursday

C Tuesday

D Saturday

Solution

30th January, 2003 was thursday.

So, 6th, 13th, 20th, 27th February were all thursdays.

thus 2nd march, 2003 was 3 rd day after thursday, i.e. , sunday.

3. If tuesday falls on 4th of month, then which day will fall three days after the 24th ?

A Monday

B Tuesday

C Friday

D Thursday

Solution

The 4th day is tuesday, then 11, 18, 25th also tuesdays.

Then 3 days after 24th is 27th, which is thursday.

4. If first day of the year(not a leap year) was Monday, then what was the last day of the year?

A Friday

B saturday

C Monday

D Sunday

Solution

If the year is not a leap year, then last day is same as first day.

5. If the third day of a month is Tuesday, which of the following would be the 4th day before the 27th day of that month?

A Tuesday

B Monday

C Wednesday

D Sunday

Solution

Dates on which Tuesday fall are 3,10,17, and 24.

Hence , the 27th day of the month will be (Tuesday + 3 days=)Friday.

Required day of the month = Friday - 4 = Monday.

6. What was the day on 16th June,1993?

A Saturday

B Monday

C Wednesday

D Friday

Solution

16 June, 1993 = (1992 years + Period from 1.1.1993 to 16.6.1993)

Odd days in 1600 years = 0

Odd days in 300 years = 1

92 years = (69 ordinary years + 23 leap year) = $(69 \times 1 + 23 \times 2) = 3$ odd days

Jan. Feb. March April May June $(31 + 28 + 31 + 30 + 31 + 16) = 167$ days

167 days = (23 weeks + 6 days) = 6 odd days.

Total number of odd days = $(0 + 1 + 3 + 6) = 3$ odd days.

Given day is Wednesday.

7. **The year next to 2005 will have the same calendar that of the year 2005?**

A 2012

B 2020

C 2010

D 2011

Solution

Given year, 2005 when divided by 4 leaves a remainder of 1. NOTE:
When the remainder is 1, 6 is added to the given year to get the result. So,
 $2005 + 6 = 2011$.

8. It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010?

A Friday

B sunday

C Wednesday

D Thursday

Solution

On 31st December, 2005 it was Saturday.

Number of odd days from the year 2006 to the year 2009 = $(1 + 1 + 2 + 1)$
= 5 days.

therefore, on 31st December 2009, it was Thursday.

Thus, on 1st Jan, 2010 it is Friday

9. Which of the following year is a leap year?

A 2100

B 2200

C 1996

D 1900

Solution

- A century year is determined to be a leap year if it is divisible by 400.
- Here 2100, 2200 and 1900 all are non-divisible by 400.
- For non-century years, the condition is to be divisible by 4.
- Hence 1996 is divisible by 4 and is the answer.

10. **If 18th February 1997 falls on Tuesday, what will be the day on 18th February 1999 ?**

A Monday

B Tuesday

C Thursday

D Friday

Solution

18th February 1997 = Tuesday

18th February 1998 = Wednesday

18th February 1999 = Thursday

11. On 6th March, 2005 Monday falls. What was the day of the week on 6th March 2004 ?

A Sunday

B Saturday

C Tuesday

D Wednesday

Solution

- The year 2004 is a leap year. So, it has 2 odd days.
- But, Feb 2004 not included because we are calculating from
- March 2004 to March 2005. So it has 1 odd day only.
- The day on 6th March, 2005 will be 1 day beyond the day on 6th March, 2004.
- Given that, 6th March, 2005 is Monday.
- 6th March, 2004 is Sunday (1 day before to 6th March, 2005).

12. **This year Republic day was on Monday. If a child was born on 26th of February, on which day was the child born**

A Tuesday

B Thursday

C Friday

D Sunday

Solution

January 26: Monday

January 31: Saturday

February 1, 8, 15, 22 are Sundays

Then February 26 is Thursday.

13. Which two months in a year has the same calendar ?

A April - July

B April - November

C June - October

D October - December

Solution

It is a well known fact that April - July have same calendar except one has 30 days and other has 31 days. Similarly February - March has same calendar in Non-Leap years.

14. **If May 11 of a particular year is a Friday. Then which day will Independence day fall?**

A Friday

B Saturday

C Sunday

D Wednesday

Solution

May 11 = Friday

Number of days Remaining in May = 20

Number of days in June = 30

Number of days in July = 31

We have to find out, in which day the independence day will fall so the number of days in August = 15

Total number of days = $20 + 30 + 31 + 15 = 96$

The remainder, when 96 is divided by 7 = 5

Friday + 5 = Wednesday (May 11 is Friday)

15. If 3rd October is Tuesday then 3rd December will be ?

A Sunday

B Monday

C Tuesday

D Wednesday

Solution

It is $28 + 30 + 3 = 61$ days after Tuesday. ie $(56 + 5)$ days. Hence it is a
sunday

.

16. If the 25th of August in a year is Thursday, then the number of Mondays in that month is

A 6

B 5

C 4

D 3

Solution

1st, 8th 15th, 22nd and 29th are Mondays

17. Today is Saturday, what day of the week will be after 27 days ?

A Monday

B Friday

C Wednesday

D Saturday

Solution

There are 27 days. Divide 27 by 7. we get 6 as remainder. Sixth day after saturday is friday

18. **The Twenty-First Century will start on January 1 in the year**

A 2001

B 2000

C 2101

D 2100

Solution

The 21st century is the current century of the Anno Domini era, in accordance with the Gregorian calendar. It began on January 1, 2001 and will end on December 31, 2100. It is the first century of the 3rd millennium.

19. **If January 1st is a Friday, then what is the first day of the month of March in a leap year?**

A Thursday

B Friday

C Tuesday

D Wednesday

Solution

- January 1st - Friday

Subsequent Friday's in January month - 8,15,22,29

- February 1st - Monday

Subsequent Monday's in Feb month - 8,15,22,29

(since Feb is a leap year, it will obviously have 29 days)

With this we can easily conclude that

- March 1st - Tuesday

20. Pradeep correctly remembers that he visited Chennai before 12th of July but after 8th of July. His friend correctly remembers that Pradeep visited Chennai after 10th of July but before 14th of July. On which day of July did Pradeep visited Chennai?

A 11th

B 12th

C 10th

D either 10th or 11th

Solution

According to Pradeep, he visited Chennai on 9th, 10th or 11th of July. According to his friend, he visited Chennai on 11th, 12th or 13th. Only 11th is common between the two sets of dates. Hence, the correct date is 11th.

21. **On the 20th January 2002, it was Friday. What was the day on 15th April 2002?**

A Friday

B Monday

C Saturday

D Sunday

Solution

No of days between Jan 20 to April 15 = $11 + 28 + 31 + 15 = 85$,

and no of weeks = $85 / 7 = 12$ & remainder 1.

So, the 15 the of April would be Saturday.

22. If the 11th day of a month having 31 days is a Saturday, which of the following days will occur five times in that month?

A Monday

B Saturday

C Sunday

D Thursday

Solution

If 11th day of the month is Saturday then the first saturday will be having date 4

So, first day would be Wednesday,

therefore Wednesday , Thursday and Friday will come 5 time during that month.

23. Total number of days from 5th January 2015 to 20th March 2015 ?

A 73

B 74

C 75

D 72

Solution

From January 5th to January 31st - 27 days. (January 5th is included)

From February 1st to February 28th - 28 days (Since 2015 is not a leap year).

From March 1st to March 20th - 20 days. (March 20th is included)

So, Total days = $27 + 28 + 20 = 75$

24. 02.11.2003 is the first Monday. Which is the fourth Wednesday of November 2003 ?

A 24.11.2003

B 25.11.2003

C 23.11.2003

D 22.11.2003

Solution

Since 02.11.2003 is a monday 23.11.2003 is also monday then wednesday will be 25.11.2003

25. Syam was born on August 11. Mohan is 11 days elder than Syam. Independence day of that year was on Monday. Then Mohan s birthday is on:

A Monday

B Tuesday

C Sunday

D Saturday

Solution

Mohan was born on July 31st(11 days before August 11). August 15th is a Monday, July 31st should be a Sunday($-15 \div 7 = -1$ (remainder))

26. **On what dates of April, 2001 did Wednesday fall?**

A 1st, 8th, 15th, 22nd, 29th

B 2nd, 9th, 16th, 23rd, 30th

C 3rd, 10th, 17th, 24th

D 4th, 11th, 18th, 25th

Solution

We shall find the day on first April, 2001

1st April, 2001 = (2000 years + Period from 1. 1. 2001 to 1. 4. 2001)

Odd days in 1600 years = 0

Odd days in 400 years = 0

No. of days from January 1st to April 1st = 91 days = 0 odd days. Total number of odd days = (0 + 0 + 0) = 0

On 1st April, 2001 it was Sunday.

In April 2001 Wednesday falls on 4th, 11th, 18th, 25th.

27. If 9th of the month falls on the day preceding Sunday, then on what day will 1st of the month fall ?

A Friday

B Saturday

C Sunday

D Monday

Solution

As per the question 9th of the Month=Saturday. (day preceding Sunday)

Day name repeats after 7 days.

Therefore 9 minus 7=2nd of the given month is also Saturday.

Then 1st of the given month= Saturday Minus one day = Friday

28. Find the number of days from 26-1-1996 to 15-5-1996 (both days inclusive)

A 112

B 113

C 110

D 111

Solution

January 6 days

February 29 days (1996 leap year)

March 31 days

April 30 days

May 15 days

Total 111 days

29. My brother is 562 days older to me while my sister is 75 weeks older to him. If my sister was born on Tuesday, on which day was I born

A Sunday

B Thursday

C Tuesday

D Wednesday

Solution

It is clear from the hint that, My brother and my sister born on same day, since the same day repeats in every week and my brother and sister have 75 weeks age gap.

Hence my brother is also born on Tuesday.

Now, since my brother is 562 days older than me and he is born on Tuesday,

The day which I was born, Tuesday +562 \Rightarrow Tuesday + (562 \div 7)

Tuesday +2 gives Thursday.

31. If today is Monday, what will be the 100th day from today?

A Monday

B Wednesday

C Saturday

D Sunday

Solution

100 days = 14 weeks + 2 Days

Every day of the week is repeated after 7 days.

Hence, 98th day is Monday. So, 100th day is Wednesday.

32. Today is the 25th day of February 2014 . If today is a Wednesday, what will be the day after 26th March, 2014 ?

A Friday

B Saturday

C Wednesday

D Thursday

Solution

25-Feb-2014 - Wednesday

28-Feb-2014 - Saturday

01 -Mar -2014 - Sunday

8 - Mar -2014 - Sunday

15-Mar-2014 - sunday

22-Mar-2014 - sunday

so the day after 27 march is friday.

33. 1st January 2013 is Tuesday. How many Tuesdays are there in 2013 ?

A 51

B 52

C 53

D 54

Solution

There are exactly 53 Tuesdays in the year 2013.

Most years have 365 days, but a leap year has 366 days. That adds up to 52 weeks (where each week is exactly 7 days) Plus 1 or 2 additional days. The year 2013 has exactly 365 days.

Now if the year starts on a Tuesday in a non-leap year, you end up with 53 Tuesdays. Or if either of the first two days lands on a Tuesday during a leap year, then you can also get 53 Tuesdays.

34. If 8th of the month falls 3 days after Sunday, what day will be on 17th of that month ?

A Thursday

B Tuesday

C Wednesday

D Friday

Solution

8th of the month is on Wednesday. The day of the month on 17th is Friday.

35. **March 6, 1999 was on saturday. What day of the week will be on March 6,2000 ?**

A Saturday

B Sunday

C Monday

D Tuesday

Solution

2000 is a leap year . 1999, march 6 - saturday 2000, march 6 - saturday+2 days= Monday

36. **Rajesh remembers that his cousins birthday is after 10th but before 17th May. His sister Radha remembers that her cousins birthday is after 9th but before 12 May. When is his cousins birthday?**

A 9th May

B 10th May

C 11th May

D 17th May

Solution

It's said that birthday is after 10th but before 17th May means the birthday can be on 11th, 12th, 13th, 14th, 15th or 16th. It is also said that the birthday is after 9th but before 12th. From these information it is clear that birthday is on 11th May.

37. **Today is 3rd November. The day of the week is Monday. This is a leap year. What will be the day of the week on this date after 3 years?**

A Wednesday

B Thursday

C Friday

D Saturday

Solution

This is a leap year. So, none of the next 3 years will be leap years. Each year will give one odd day so the day of the week will be 3 odd days beyond Monday i.e. it will be Thursday.

38. In one year , Teacher's day was on friday. Then when will be the Gandhi Jayanti on the same year?

A Monday

B Wednesday

C Thursday

D Friday

Solution

Teacher's day is on september 5.

september 5 = friday

September 12 = friday

September 19 = friday

september 26 = friday

september 30 = tuesday

so october 2 will be a thursday

39. It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2009?

A Saturday

B Sunday

C Monday

D Thursday

Solution

On 31st December, 2005 it was Saturday. Number of odd days from the year 2006 to the year 2008 = $(1 + 1 + 2) = 4$ days.

On 31st December 2008, it was Wednesday. Thus, on 1st Jan, 2009 it is Thursday.

40. **What was the day of the week on 15th May, 2006?**

A Thursday

B Friday

C Saturday

D Monday

Solution

15 May 2006

Odd days in 1600 years = 0

Odd days in 400 years = 0

5 years = (4 year + 1 leap year) = 6 odd days

number of days in months = $31+28+31+30+15 = 135$ days

135 days = (19 weeks + 2 Odd day)

Total number of Odd days = (0 + 0 + 6 + 2) = 1 Odd day.

So the answer is Monday.

41. **Today is Sunday. Then 50th day, will be:**

A Wednesday

B monday

C Tuesday

D Thursday

Solution

Sunday + 7 days = Sunday (1 week)

Sunday + 14 days = Sunday (2 weeks)

Sunday + 21 days = Sunday (3 weeks)

Sunday + 28 days = Sunday (4 weeks)

Sunday + 35 days = Sunday (5 weeks)

Sunday + 42 days = Sunday (6 weeks)

Sunday + 49 days = Monday

50th day is monday.

42. **Today is Friday then 72th day will be:**

A Wednesday

B Sunday

C Tuesday

D Saturday

Solution

Each day of the week is repeated after 7 days.

So, after 70 days, it will be Friday (71st day).

Then the answer is Saturday.

43. **If 5th March, 2009 is Monday, what was the day of the week on 5th March, 2008?**

A Wednesday

B Saturday

C Sunday

D Thursday

Solution

The year 2008 is a leap year.

So, it has 2 odd days.

But, Feb 2008 not included because we are calculating from March 2008 to March 2009. So it has 1 odd day only.

Given that, 5th March, 2009 is Monday.

5th March, 2008 is Sunday (1 day before to 5th March, 2009).

44. **If 16th January, 2010 is Monday, what will be the day of the week on 16th January 2013?**

A Wednesday

B Saturday

C Tuesday

D Friday

Solution

In an ordinary year, there are 365 days, which means $52 \times 7 + 1$, or 52 weeks and one day. This additional day is called an odd day. The concept of odd days is very important in calendars.

(in leap year odd days is 2)

So it has 4 odd day $.(1+2+1)$ Given that, 16th January, 2010 is Monday.

16th January, 2013 is Friday (4 day after to 16th January, 2010).

45. Which of the following is not a leap year?

A 800

B 1200

C 700

D 1600

Solution

- The century divisible by 400 is a leap year.
- The year 700 is not a leap year.

46. **January 22, 2016 was Friday. What day of the week lies on August 20, 2016?**

A Saturday

B Sunday

C Monday

D Tuesday

Solution

Total Number of days :

January = 9

February = 29

march = 31

April = 30

May = 31

June =30

July =31

August =20

total = 211

$$\frac{211}{7} = \text{Reminder} = 1$$

Friday + 1 = Saturday.

47. **January 20, 2012 was Friday. What day of the week lies on April 15, 2012?**

A Saturday

B Sunday

C Monday

D Friday

Solution

2012 is a leap year.

Total Number of days =

(January)11+(February) 29+(march)31+(April)15= 86

$\frac{86}{7} = (\text{Reminder }) 2$

Friday + 2 = Sunday.

48. If 2016 January 7 is Friday then what day is on 2016 May 1 ?

A Monday

B Tuesday

C Sunday

D Friday

Solution

Total Number of days =

January = 24

February = 29

march = 31

April = 30

May = 1

total = 115

$\frac{115}{7}$ =Reminder = 3

Friday + 3 = Monday

49. It was Sunday on Jan 1, 2006. What was the day of the week Jan 15, 2010?

A Friday

B Sunday

C Monday

D None of these.

Solution

In an ordinary year, there are 365 days, which means $52 \times 7 + 1$, or 52 weeks and one day. This additional day is called an odd day. The concept of odd days is very important in calendars. In leap year odd days is 2.

So Number of odd days from the year 2006 to the year 2010 = $(1 + 1 + 2 + 1) = 5$ days.

Sunday + 5 days = Friday. Thus, on 1st Jan, 2010 it is Friday.

Jan 8 = Friday

Then 15 January is Friday.

50. Today is Monday. After 245 days, it will be:

A Monday

B Tuesday

C Saturday

D None of these.

Solution

- Each day of the week is repeated after 7 days.
- So, after 245 ($35 * 7$) days, it will be tuesday, as the 245th day is monday.



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