

Calendar

To Find the day.

Clock

Damaged Clock

Water Goggle



**gradeup**

Sahi Prep Hai Toh Life Set Hai

# Clock and Calendar Practice

polls

Today is 11  
12 Wed

Q. If two days back it was 9th November 2014 and it was a Sunday, then tomorrow will be?

A. 12th November 2014, Tuesday

B. 12th November 2014, Thursday

C. 13th November 2014, Wednesday

☒ D. 12th November 2014, Wednesday

Q. If 3rd January is Sunday, what date will be three days after the fourth Wednesday in the month?

A. 30

B. 27

C. 26

D. 23

3rd Jan = Sun

1st Wed = 6th Jan  
+ 21

4th Wed = 27 Jan  
+ 3  
30



Q. If 27th February 2011 was Sunday, then 1st March 2012 will be what day of the week?

- ☒ A. Thursday      B. Friday  
C. Sunday      D. Monday

27 Feb 2011 = Sun

27 Feb 2012 = Mon

28, 29  
T, W

1 March 2012 = ? Thurs



Q. If it was a Sunday on 1 January 2017, what was the day of the week on 31 December 2017?

A. Tuesday

B. Monday

☒ C. Sunday

D. Friday

*NOV new yr*

Q. If it was Monday on 1 January 2018, which day of the week was on 31 December 2018?

☒ A. Monday

B. Friday

C. Sunday

D. Tuesday



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$$J = 3$$

$$F = 0$$

$$M = 3$$

$$A = 2$$

$$M = 3$$

$$J = 2$$

$$J = 3$$

$$A = 1$$

$$15 \\ 2$$

$$\frac{17}{7} = 3$$

Q. What will be the day of the week on 15 August 2021?

A. Sunday

B. Wednesday

C. Saturday

D. Monday

$$2020 = 4 \text{ odd}$$

$$\begin{array}{c} 2020 \\ \swarrow \searrow \\ 2000 \quad 20 \\ 0 \end{array}$$

L.P. NY

$$\begin{array}{c} 5 \quad 15 \\ \times 2 \quad \times 1 \\ \hline 10 \quad 15 \end{array}$$

$$\frac{10}{2} + \frac{15}{2}$$

$$\frac{25}{2} = 12.5$$

$$3 + 7 = \frac{7}{7} = 0 = \text{Sunday}$$





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Q. What was the day of the week on 15 August 2013?

- ☒ A. Thursday
- B. Monday
- C. Wednesday
- D. Tuesday

J = 3 ✓  
f 0 ✓  
m 3 ✓  
A 2 ✓  
M 3 ✓  
J = 2 ✓  
S = 3 ✓  
A = 1

$$17 = 3 -$$
$$3 + 1 = 4 = \underline{\text{Thurs}}$$

$$2012 = 11$$
$$\wedge$$
$$2000 + 12$$
$$\begin{array}{cc} 0 & + & L & N \\ & & 3 & 10 \end{array}$$
$$\begin{array}{cc} 12 & \times 1 \\ \hline 6 & + & 9 \end{array}$$
$$\hline 15 = 1$$



Q. If it was a Saturday on 10 November 2018, what was the day of the week on 15 August 2017?

A. Monday

☒ B. Tuesday

C. Sunday

D. Friday

15 Aug 2017 = ? Tues  
 { add }  
 10 Nov 2017 = Fri -1  
 10 Nov 2018 = Sat  
 -3

31-15

A + S + O + N

16      2      3      10

$$\underline{2 + 2 + 3 + 3} = \underline{10} \Rightarrow \textcircled{3}$$

$$\begin{array}{r} 11:60 \\ 3:15 \\ \hline 8:45 \end{array}$$

Q. If a mirror reflection of the clock shows time as 3 : 15, what would be the actual time?

A. 10 : 45

B. 7 : 45

☒ C. 8 : 45

D. 6 : 45

Q. At what time between 3.30 and 4 will the hands of a clock be at right angles?

- ✓ A.  $32\frac{8}{11}$  minutes past 3  
 B.  $82\frac{8}{11}$  minutes past 3  
 C.  $42\frac{8}{11}$  minutes past 3  
 D.  $52\frac{8}{11}$  minutes past 3

$$3:30 = 3\frac{1}{2}$$

$$\theta = | \frac{11}{2}m - 30H |$$

$$90^\circ = | \frac{11}{2}m - 30 \times 3 |$$

$$-90 = \frac{11}{2}m - 90$$

$$\frac{11}{2}m = 0$$

$$m = 0 \text{ m} = \underline{3 \text{ o'clock}}$$

$$90 = \frac{11}{2}m - 90$$

$$\frac{11}{2}m = 180$$

$$m = \frac{360}{11}$$

$$= 32\frac{8}{11}$$

$$\text{3:32}\frac{8}{11} \text{ (3:30-4)}$$



Q. If 27th December 2009 was a Thursday, then what day of the week was it on 1st March 2010?

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

27 Dec 2009 = Thursday

{ add

1st March

2010 ✓

Friday

31-27

D + T + F + M  
4 3 0 1

---

8  
2

1





**Q. If it was a Friday on 1 January 2016, what was the day of the week on 31 December 2016?**

- A. Saturday**
- B. Friday**
- C. Monday**
- D. Sunday**



**Q. If 1st January 2013 was Wednesday, then what day of the week was it on 2nd January 2014?**

- A. Wednesday**
- B. Thursday**
- C. Tuesday**
- D. Friday**

Q. Find the angle between the minute hand and the hour hand of a clock when the time is 5.20?

A.  $100^\circ$

B.  $200^\circ$

C.  $300^\circ$

D.  $400^\circ$

$$\theta = \left| \frac{11}{2} \times 20 - 30 \times 5 \right|$$

$$\underline{|110 - 150| = 40^\circ}$$



**Q. Direction: If 1st January 2013 was Tuesday, then what day of the week will be 31st December 2013?**

**A. Wednesday**

**B. Thursday**

**C. Tuesday**

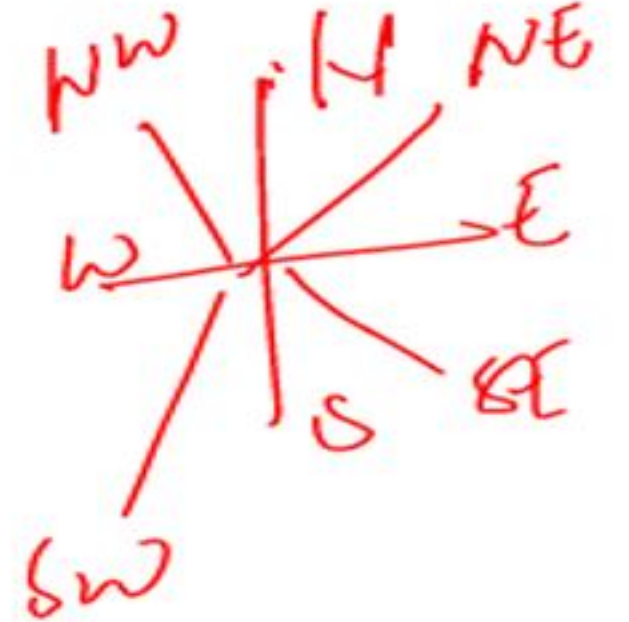
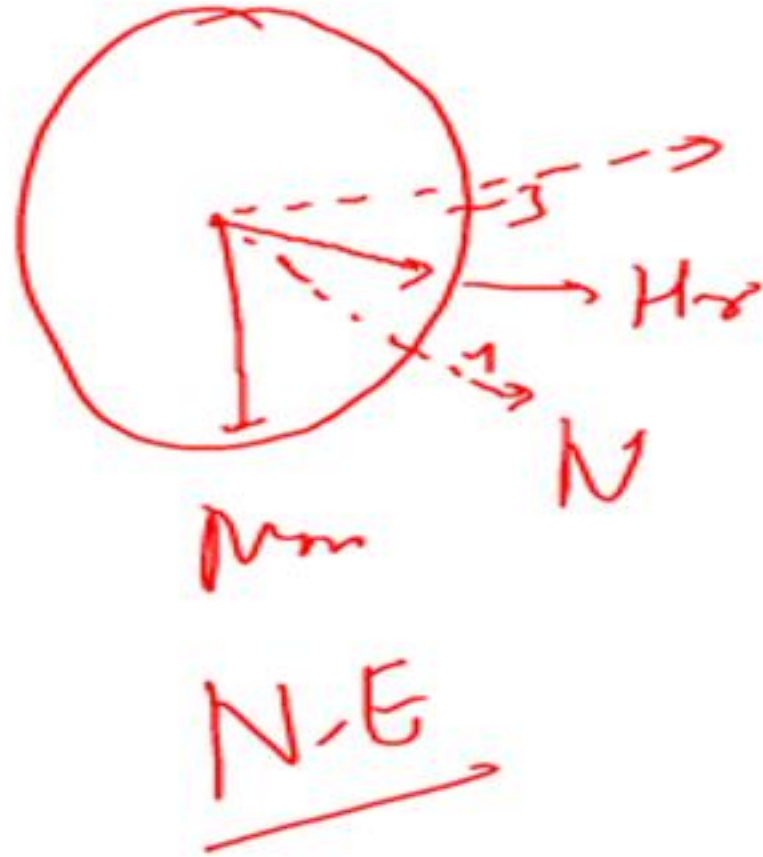
**D. Monday**



Q. A watch reads 3:30. If the minute hand points towards the north-east direction, then in what direction will the hour hand point?

- A. South-west
- C. South-east

- ☒ B. North-west
- D. North-east



Q. At what time between 2 and 3 will the hands of a clock be in opposite directions?  $-180$

A.  $12\frac{7}{11}$  minutes past 2

B.  $22\frac{7}{11}$  minutes past 2

✓ C.  $43\frac{7}{11}$  minutes past 2

D.  $41\frac{7}{11}$  minutes past 2

$$0^\circ = 1\frac{1}{2}m - 30H$$

$$180^\circ = 1\frac{1}{2}m - 30 \times 2$$

$$180 = \frac{11}{2}m - 60$$

$$\frac{11}{2}m = 240$$

$$m = \frac{480}{11} = 43\frac{2}{11}$$

$$-180 = \frac{11}{2}m - 60$$

$$\frac{11}{2}m = -120$$



**Q. If 18th October 2011 was a Sunday, then what day of the week was it on 19th September 2012?**

- A. Thursday**
- B. Friday**
- C. Sunday**
- D. Monday**



**Q. Mohini went to movies nine days ago. She goes to the movies only on Thursday. What day of the week is today?**

- A. Saturday**
- B. Thursday**
- C. Sunday**
- D. Tuesday**



Q. If the day before yesterday was Thursday, when will Sunday be?

A. Today

B. Two days after today

☒ C. Tomorrow

D. Day after Tomorrow

Thurs      F      S      Sun  
                      —      —      —  
                      yest    tod    tom

**Q. Which among the following is a leap year?**

**निम्नलिखित में से कौन सा एक अधिवर्ष है?**

**A. 1500**

**B. 1700**

**C. 2000**

**D. All of the above**

**Q. At 5'O clock a clock ticks 5 times. The time between first and last ticks is 20 seconds. How long does it tick at 12'O clock?**

एक घड़ी 5 बजे 5 बार टिकटिक करती है। पहले और आखिरी टिकटिक के बीच का समय 20 सेकंड है। 12 बजे घड़ी कितनी देर तक टिकटिक करेगी?

**A. 45 seconds**

**B. 66 seconds**

**C. 55 seconds**

**D. 70 seconds**

**Q. At what time between 10 a.m. to 11 a.m., the  $90^\circ$  angle will be formed by hour hand and minute hand?**

सुबह 10 बजे से 11 बजे के बीच किस समय घंटे की सूई और मिनट की सूई से  $90^\circ$  का कोण बनेगा?

- A. 10:38 a.m.**
- B. 10:42 a.m.**
- C. 10:45 a.m.**
- D. 10:58 a.m.**



**Q. Karan remembers that his sister's birthday is not after 18th August. Karan's mother remembers that Karan's sister birthday is before 20th August but after 17th August. On which date of August is Karan's sister birthday?**

करन को याद है की उसकी बहन का जन्मदिन 18 अगस्त के बाद नहीं है। करन की माँ को याद है की करन की बहन का जन्मदिन 20 अगस्त से पहले लेकिन 17 अगस्त के बाद है। करन की बहन का जन्मदिन अगस्त की किस तारीख को है?

**A. 18**

**B. 17**

**C. 19**

**D. 20**



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Practise  
topic-wise quizzes

Keep attending  
live classes



$$100yr = 24 \text{ leap} + 76 \text{ Normal} = \underline{5 \text{ odd days}}$$

$$\begin{array}{r} \times 2 \\ \hline 48 \end{array} + \begin{array}{r} \times 1 \\ \hline 76 \end{array} = 7 \overline{) 124} \begin{array}{l} 17 \\ 119 \\ \hline 5 \end{array}$$

$$200yr = 5 + 5 = 7 \overline{) 10} \begin{array}{l} 7 \\ 7 \\ \hline 3 \end{array} = \underline{\underline{3 \text{ odd}}}$$

$$300yr = 5 + 5 + 5 = 15 = 1 \text{ odd}$$

$$\underline{\underline{400yr}} = 5 + 5 + 5 + 5 + \textcircled{1} = 7 \overline{) 21} = \underline{\underline{0 \text{ odd}}}$$

leap

$$\left. \begin{array}{l} \underline{100yr = 5} \\ \underline{200yr = 3} \\ \underline{300yr = 1} \\ \underline{400yr = 0} \end{array} \right\}$$

$$500yr = 5$$

$$600yr = 3$$

$$400 + 200$$

$$0 + 3$$

$$800, 1200, \underline{\underline{1600}}$$



1 Jan 2015 = ?

31 Dec 2014 (completed) = 3 odd

2000 + 14 yr  $\left\{ \begin{array}{l} L.Y = 3 \times 2 = 6 \\ N.Y = 11 \times 1 = 11 \\ \hline 17 = 3 \end{array} \right.$

0

Jan  
1

Total odd = 1 + 3 = 4 = Thurs



$$\frac{31}{7} = 4 \text{ R } 3 \checkmark$$

$$J = 3 \checkmark$$

$$F = 0$$

$$m = 3 \checkmark$$

$$A = 2 \checkmark$$

$$m = 3 \checkmark$$

$$J = 2 \checkmark$$

$$\text{July} = 15 = 1 \checkmark$$

$$\frac{14}{2} = 7$$

15 July 2021 = Thurs

0 odd

2020

4 odd ✓

$$2000 + 20yr \begin{cases} L.Y = 5 \times 2 = 10 \\ N.Y = 15 \times 1 = 15 \end{cases}$$

$$\underline{0 \text{ odd}}$$

$$\underline{25 = 4}$$

4 = Thurs

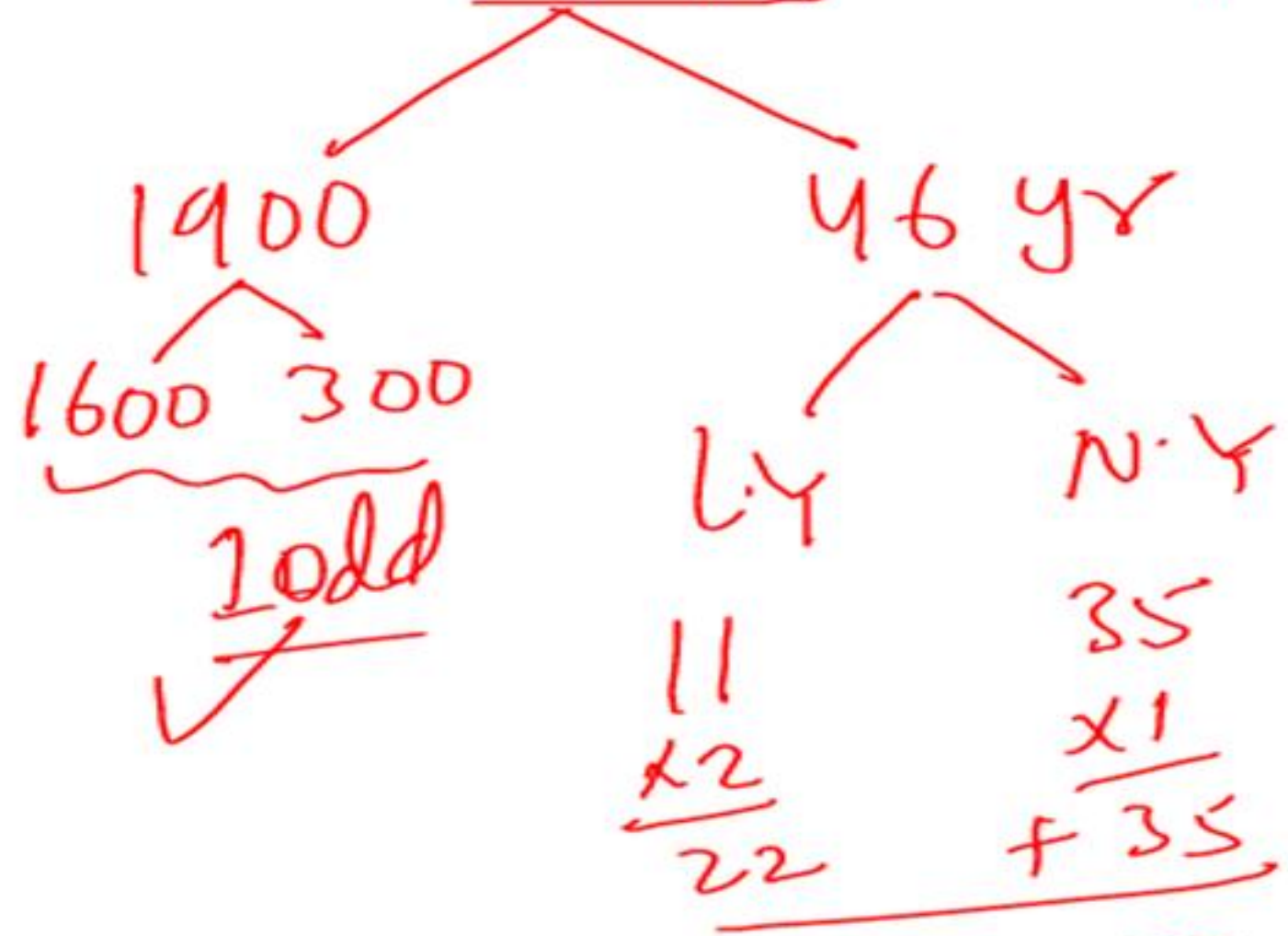
m-1, t-2, w-3, t-4

F=5, S=6, S=0.

$J=3$  ✓  
 $F=0$   
 $m=3$  ✓  
 $A=2$  ✓  
 $m=3$  ✓  
 $J=2$  ✓  
 $J=3$  ✓  
 $A=15=1$  ✓

$\frac{17}{7} = 3$   
 $3+2=5 = \text{For}$

15 Aug 1947 = ? For (00:05) ✓  
 1946 → completed = 2



$\frac{57}{7} = 1$  ✓



Damaged clock + 5 hr = Sun 3 PM  
 Sun 9 AM Clock was 5 min slow  
 Mon 9 AM " " 15 min fast

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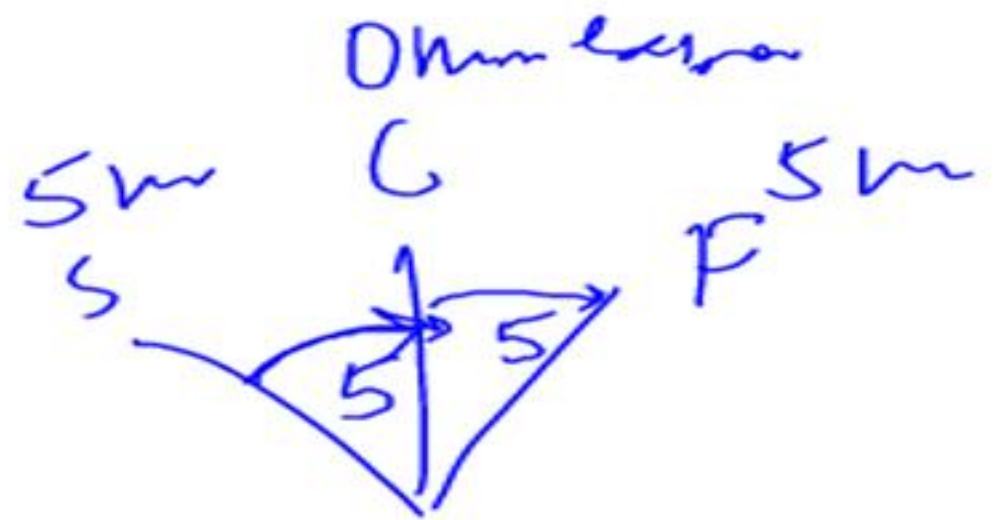
$$24 \text{ hr} = 20 \text{ mins}$$

$$20 \text{ m} = 24 \text{ hr}$$

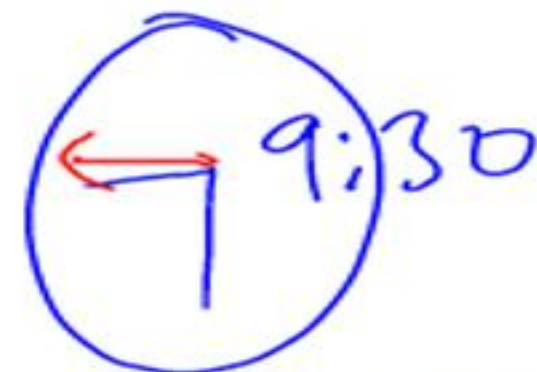
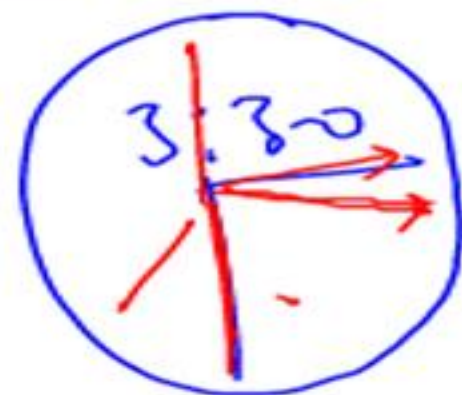
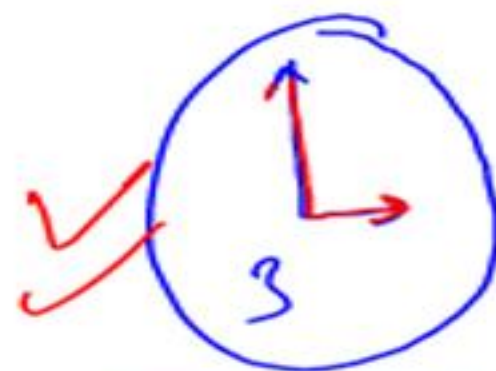
$$1 \text{ m} = \frac{24}{20} \text{ hr}$$

$$5 \text{ m} = \frac{24}{20} \times 5 = \underline{\underline{6 \text{ hr}}}$$

Q When it would have shown correct time?



К О З И М А Л  
КУСМАЛ  
 → К О З И М А Л



6:30

18:30

X