

CLOCK

1. How many times are the hands of a clock at right angle in a day?
a) 22 b) 24 c) 44 d) 48
2. The angle between the minute hand and the hour hand of a clock when the time is 8.30, is:
a) 80° b) 75° c) 105° d) 60°
3. How many times in a day, are the hands of a clock in straight line but opposite in direction?
a) 22 b) 24 c) 20 d) 48
4. At what time between 4 and 5 o'clock will the hands of a watch point in opposite directions?
a) 45 min. past 4 b) 40 min. past 4
c) 50 d) 54 6/11 past 4
5. How many degrees will the minute hand move, in the same time in which the second hand move 4800?
a) 60 b) 90 c) 40 d) 80
6. A clock is set right at 5am the clock loses 16min in 24 hours. What will be the right time when the clock indicates 10 pm? On the 4th day?
a) 10.45 am b) 11 pm
c) 10.30 am d) 11.15pm
7. A clock gains five minutes every hour. What will be the angle traversed by the second hand in one minutes?
a) 360° b) 360.5° c) 390° d) 380°
8. At what time are the hands of clocks together between 6 and 7?
a) 32 8/11 minutes past 6
b) 34 8/11 minutes past 6
c) 30 8/11 minutes past 6
d) 32 8/11 minutes past 6
9. After 9'o clock at what time between 9 p.m. and 10 p.m. will the hour and minute hands of a clock point in opposite direction?
a) 15 minutes past 9
b) 16 minutes past 9
c) 16 4/11 minutes past 9
d) 17 1/11 minutes past 9
10. In Ravi's clock shop, two clocks were brought for repairs. One clock has the cuckoo coming out every sixteen minutes, while the other one has the cuckoo coming out every eighteen minutes. Both cuckoos come out at 12.00 noon. When will they both come out together again?
a) 2:06 PM b) 2:08 PM
c) 2:24 PM d) 2:32 PM
11. Kamala would like to complete all her homework before 10.00 p.m. in order to watch an important TV programme. She has 40 minutes assignment in each of her five prepared subjects. What is the latest time at which she can start and still complete her homework in the time for the program?
a) 6:40 p.m. b) 6:30 p.m.
c) 7:10 p.m. d) 7:20 p.m.
12. The bus for Chennai leaves every 30 minutes from a bus depot. The enquiry clerk told a passenger that the bus for Chennai left 10 minutes ago, and the next bus will leave at 10:30 a.m. What was the time when enquiry clerk told this?
a) 10:20 a.m. b) 10:10 a.m.
c) 10:00 a.m. d) 10:50 a.m.
13. A clock goes fast by one minute during the first hour, by two minutes at the end of the second hour, by 4 minutes at the end of 3rd hour, by eight minutes by the end of 4th hour, and so on. At the end of which hour, will be fast by just over sixty minutes?
a) Fifth b) Sixth
c) Seventh d) Eighth
14. Reaching the place of meeting 20 minutes before 8:50 hrs. Satish found himself thirty minutes earlier than the man who came 40 minutes late. What was the scheduled time of the meeting?
a) 08:20 b) 08:10
c) 08:05 d) 08:00
15. Reaching the place of meeting on Tuesday 15 minutes before 08:30 hours I found myself half an hour earlier than the man who was 40 minutes late. What was the scheduled time of the meeting?
a) 08:00 hours b) 08:05 hours
c) 08:15 hours d) 08:45 hours
16. A watch gains 5 minutes in one hour and was set right at 8 AM. What time will it show at 8PM on the same day?
a) 9 pm b) 11 pm c) 8 pm d) 7 pm
17. A watch loses 5 seconds in one hour and was set right at 7am. What time will it show at 2 pm on the same day?
a) 1:00 pm b) 1 : 59 : 25 pm
c) 2:00 pm d) 2: 50 : 25 pm
18. A watch loses 5 minutes every hour and was set right at 6am on a Monday. When will it show the correct time again?
a) 9 pm next Tuesday b) 11 pm Saturday
c) 6 am next Sunday d) 7 pm Monday
19. If the two hands in a clock are 3 minutes divisions apart, then the angle between them is :
a) 20° b) 30° c) 18° d) 25°
20. What will be the acute angle between hands of a clock at 2 : 30?
a) 105° b) 120° c) 150° d) 90°
21. How much does a watch lose per day, if its hands coincide every 64 minutes?
a) 32 min b) 40 min c) $32\frac{8}{11}min$ d) 38 min

22. A clock is set right at 5 am. The clock loses 16 min. in 24 hrs. what will be the true time when the clock indicates 10 pm on the 4th day?
a) 11 pm b) 10 pm c) 12 pm d) 1 pm
23. A watch gains 5 seconds in 3 minutes set right at 7 am. In the afternoon of the same day, when the watch indicated quarter past 4 O'clock, the true time is :
a) 5 pm b) 10 pm c) 4 pm d) 11 pm
24. A clock gains 15 minutes per day. It is set right at 12 noon. What time will it show at 4.00 am, the next day?
a) 4:10 am b) 5:10 am c) 5:20 am d) 4:10 pm
25. A clock is set right at 1 pm. If it gains one minute in an hour, then what is the time when the clock indicates 6 pm in the same day?
a) $45\frac{5}{61}$ minutes past 5 b) $50\frac{5}{61}$ minutes past 5
c) $55\frac{5}{61}$ minutes past 5 d) $25\frac{5}{61}$ minutes past 5
26. Two clocks were set right at noon on Sunday. One gains 2 min and the other loses 3 min in 24 hours. What be the true time when the first clock indicates 3 pm on Wednesday?
a) 2:54 pm b) 3 : 54 pm
c) 2:45 am d) 3 : 55 pm
27. In a watch the minute hand crosses the hour hand for the third time exactly after every 3 hrs. 180. 15 seconds of watch time. What is the time gained or lost by this watch in one day?
a) 13 min, 50s b) 15 min, 25 sec
c) 20 min, 35s d) 25 min, 30s
28. A clock gains 5 minutes in 24 hours. It was set right at 10 am on Monday. What will be the true time when the clock indicates 10:30 am on the next Sunday?
a) 10 am on Monday b) 10 am on Sunday
c) 11 am on Tuesday d) 12 pm on Tuesday
29. A watch which gains uniformly is 2 minutes slow at noon on Monday and is 4 min. 48 sec fast at 2 pm on the following Monday. When was it correct?
a) 2 pm on Wednesday b) 4 pm on Tuesday
c) 3 pm on Thursday d) 5 pm on Sunday
30. An accurate clock shows 8 O'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 O'clock in the afternoon?
a) 30° b) 180° c) 90° d) 150°
31. At 3 : 40, the hour-hand and the minute-hand of a clock form an angle of:
- a) 120° b) 125° c) 130° d) 140°
32. The angle between the minute-hand and the hour-hand of a clock when the time is 4 : 20, is:
a) 10° b) 15° c) 5° d) 20°
33. How many times do the hands of a clock coincide in a day?
a) 24 times b) 22 times c) 20 times d) 23 times
34. How many times in a day, do the hands of a clock form a right angle?
a) 24 times b) 48 times c) 22 times d) 44 times
35. How many times in a day, both the hands of a clock form a straight line?
a) 22 times b) 24 times c) 44 times d) 48 times
36. How many degrees does an hour-hand move in 15 minutes?
a) 1.5° b) 7.5° c) 18° d) 12°
37. How many degrees will the minute-hand move in 20 minutes?
a) 90° b) 150° c) 120° d) 180°
38. If the time in a clock is 6 hours 45 minutes, then what time does it show on the mirror?
a) 6 hrs. 45 min b) 4 hrs. 15 min
c) 7 hrs. 45 min d) 5 hrs. 15min
39. A clock is started at noon. By 10 minutes past 5, the angle that the hour-hand has turned through is
a) 145° b) 150° c) 155° d) 160°
40. At what time between 9 O'clock and 10 O'clock will the hands of a watch coincide?
a) 10 hrs. $49\frac{1}{11}$ min. b) 9 hrs. $49\frac{1}{11}$ min.
b) 11 hrs. $49\frac{1}{11}$ min d) 9 hrs. $59\frac{1}{11}$ min
41. At what time between 4 O'clock and 5 O'clock will the hands of a watch point in opposite directions?
a) 4 hrs. $52\frac{1}{11}$ min b) 4 hrs. $32\frac{1}{11}$ min.
b) 4 hrs. $54\frac{6}{11}$ min. d) 4 hrs. $34\frac{6}{11}$ min
42. The angle between the minute hand and the hour-hand of a clock when the time is 8 : 30, is:
a) 80° b) 75° c) 60° d) 105°
43. At what angle are the hands of a clock inclined at 15 minutes past 5?
a) $58\frac{1}{2}$ b) 64° c) $67\frac{1}{2}$ d) $72\frac{1}{2}$

Answer Key

1. c	2. b	3. a	4. d	5. d	6. b	7. c	8. a	9. c	10. c
11. a	12. b	13. c	14. a	15. b	16. a	17. b	18. c	19. c	20. a
21. c	22. a	23. c	24. d	25. c	26. a	27. a	28. b	29. a	30. b
31. c	32. a	33. b	34. d	35. c	36. b	37. c	38. c	39. c	40. b
41. c	42. b	43. c							