# Clock

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1.  A clock shows the time as 6 a.m. If the minute hand points towards the West, then in what direction will the hour hand point?

   A) North

   B) South

   C) East

   D) West

   Answer: A) North

2.  At what angle are the hands of a clock inclined at 20 minutes past 7?

   A) 90°

   B) 100°

   C) 110°

   D) 120°

   Answer: B) 100°

3.  In every 60 minutes, the minute hand gains how many minutes on the hour hand?

   A) 50 minutes

   B) 55 minutes

   C) 56 minutes

   D) 60 minutes

   Answer: B) 55 minutes

4.  The time on a clock is 9:53. What is the angle between the hour and minute hands?

   A) 3.5°

   B) 4.5°

   C) 5.5°

   D) 6.5°

   Answer: A) 3.5°

5.  A clock loses 5 seconds per hour. If it's set on Sunday at 12 noon, what time will it show the next Saturday at 12 noon?

   A) 11:55 a.m.

   B) 11:50 a.m.

   C) 11:45 a.m.

   D) 11:40 a.m.

   Answer: B) 11:50 a.m.


6.  How many degrees does the second hand move in 10 seconds?

   A) 30°

   B) 60°

   C) 90°

   D) 120°

   Answer: B) 60°


7.  A clock is 6 minutes slow at 8 a.m. on Sunday and 10 minutes fast at 8 p.m. on Monday. When did it show the correct time?

   A) 2 a.m. on Monday

   B) 2 p.m. on Monday

   C) 3 a.m. on Monday

   D) 3 p.m. on Monday

   Answer: A) 2 a.m. on Monday


8.  What is the angle between the hands of a clock at 3:40?

   A) 120°

   B) 130°

   C) 140°

   D) 150°

   Answer: B) 130°

9.  A train leaves a station at a certain time. The station master told a passenger that the train left 40 minutes ago, and the next train will leave at 10:45 a.m. If there is a train every 2 hours, at what time did the station master give this information?

   A) 9:25 a.m.

   B) 9:35 a.m.

   C) 9:45 a.m.

   D) 9:15 a.m.

   Answer: A) 9:25 a.m.


10. The time in a clock is 12:20. What is its water image time?

   A) 6:10

   B) 5:10

   C) 6:40

   D) 5:40

   Answer: A) 6:10


11. At what time between 5 and 6 o'clock are the hands of a clock 3 minutes apart?

   A) 5:24

   B) 5:30 6/11

   C) Both A and B

   D) None of the above

   Answer: C) Both A and B


12. How much does a watch lose per day, if its hands coincide every 66 minutes?

   A) 11 minutes

   B) 12 minutes

   C) 10 10/11 minutes

   D) 11 11/10 minutes

   Answer: A) 11 minutes


13. Find the angle between the hour and minute hand at 11:50.

   A) 50°

B) 55°

C) 60°

D) 65°

Answer: B) 55°

14. A clock is set right at 10 a.m. It gains 1 minute every 4 hours. What is the true time when the clock shows 4 p.m. the next day?

A) 3:52:30 p.m.

B) 3:53:20 p.m.

C) 3:54:15 p.m.

D) 3:55:00 p.m.

Answer: A) 3:52:30 p.m.

15. What is the angle between the hour hand and the minute hand at 5:10?

A) 90°

B) 95°

C) 100°

D) 105°

Answer: B) 95°

16. How many times are the hands of a clock perpendicular in a day?

A) 22

B) 24

C) 44

D) 48

Answer: C) 44

17. A clock which gains 2 minutes every hour is synchronized at midnight. What time will it show at 10 a.m. the same day?

A) 10:00 a.m.

B) 10:10 a.m.

C) 10:20 a.m.

D) 10:30 a.m.

Answer: C) 10:20 a.m.

18. What is the time when the hands of a clock are 15 minutes apart between 2 and 3 o'clock?

A) 2:16 4/11

B) 2:32 8/11

C) Both A and B

D) None of the above

Answer: C) Both A and B

19. The angle of the sector of a circle is 90°. The area of this sector is 154 cm². Find the length of the minute hand.

A) 7 cm

B) 14 cm

C) 21 cm

D) 28 cm

Answer: B) 14 cm

20. What is the reflex angle between the hands of a clock at 3:30?

A) 285°

B) 275°

C) 265°

D) 255°

Answer: A) 285°

21. My watch is 3 minutes slow, but my brother's watch is 2 minutes fast. If my watch shows 10:00, what does my brother's watch show?

A) 9:55

B) 10:05

C) 10:00

D) 9:58

Answer: B) 10:05

22. The angle between the hands of a clock is 100°. If the hour hand is between 4 and 5, what is the time?

  A) 4:38 2/11

  B) 4:09 1/11

  C) Both A and B

  D) None of the above

  Answer: C) Both A and B

23. A bus for Delhi leaves every thirty minutes from a bus stand. An enquiry clerk told a passenger that the bus has already left ten minutes ago and the next bus will leave at 9:35 a.m. At what time did the enquiry clerk give this information?

  A) 9:10 a.m.

  B) 9:15 a.m.

  C) 9:20 a.m.

  D) 9:05 a.m.

  Answer: B) 9:15 a.m.

24. What is the speed of the second hand?

  A) 1 degree/sec

  B) 6 degrees/sec

  C) 0.5 degree/sec

  D) 360 degrees/min

  Answer: B) 6 degrees/sec

25. A clock strikes 4 taking 9 seconds. In order to strike 12 at the same rate, the time taken is:

  A) 33 seconds

  B) 30 seconds

  C) 36 seconds

  D) 27 seconds

  Answer: A) 33 seconds

26. A watch became fast by 5 minutes from 12 noon on Monday to 6 p.m. on Wednesday. When did it show the correct time?

   A) 12 noon on Tuesday

   B) 1 p.m. on Tuesday

   C) 2 p.m. on Tuesday

   D) 3 p.m. on Tuesday

   Answer: A) 12 noon on Tuesday


27. What is the angle between the two hands of a clock at 1:15?

   A) 50°

   B) 52.5°

   C) 55°

   D) 57.5°

   Answer: B) 52.5°


28. The minute hand of a clock is 14 cm long. How much area will it sweep in 10 minutes?

   A) 102.67 cm²

   B) 103.67 cm²

   C) 104.67 cm²

   D) 105.67 cm²

   Answer: A) 102.67 cm²


29. A clock shows 11 o'clock. What is the angle between the hands?

   A) 30°

   B) 330°

   C) Both A and B

   D) None of the above

   Answer: C) Both A and B


30. If the time in a clock is 7:15, what time does its mirror image show?

   A) 4:45

B) 5:45

C) 4:15

D) 5:15

Answer: A) 4:45

31. How many times between 3 p.m. and 9 p.m. are the hands of a clock in a straight line?

A) 5

B) 6

C) 7

D) 11

Answer: B) 6

32. The time is 4:40. What is the angle formed between the hour and the minute hand?

A) 80°

B) 90°

C) 100°

D) 110°

Answer: C) 100°

33. A clock is set right at 6 a.m. It gains 10 minutes in 24 hours. What will be the time on the clock when the actual time is 11 a.m. on the next day?

A) 11:14 a.m.

B) 11:15 a.m.

C) 11:16 a.m.

D) 11:17 a.m.

Answer: B) 11:15 a.m.

34. In a day, the hands of a clock are in a straight line how many times?

A) 22

B) 24

C) 44

D) 48

Answer: C) 44

35. The time on a clock is 10:30. If the hour hand points south, the minute hand points:

A) North-west

B) South-east

C) North-east

D) South-west

Answer: B) South-east

36. At what time between 1 and 2 o'clock will the hands of the clock be at an angle of 60°?

A) 1:16 4/11

B) 1:21 9/11

C) Both A and B

D) None of the above

Answer: B) 1:21 9/11

37. A clock which is 5 minutes slow at 12 noon on a certain day is found to be 10 minutes fast at 6 p.m. the next day. When was the clock correct?

A) 12 midnight

B) 1 a.m.

C) 2 a.m.

D) 3 a.m.

Answer: A) 12 midnight

38. The angle between the hands of a clock at 12:05 is:

A) 25°

B) 27.5°

C) 30°

D) 32.5°

Answer: B) 27.5°

39. The minute hand of a clock is of length 21 cm. The area covered by it in 20 minutes is:

   A) 462 cm²

   B) 464 cm²

   C) 466 cm²

   D) 468 cm²

   Answer: A) 462 cm²


40. How many times do the hands of a clock point towards each other in 24 hours?

   A) 22

   B) 24

   C) 44

   D) 48

   Answer: A) 22


41. A clock is set to the right time on Thursday at 2 p.m. If the clock gains 20 seconds every 3 hours, then what will be the time shown by the clock on Friday at 8 p.m.?

   A) 8:02:00 p.m.

   B) 8:02:20 p.m.

   C) 8:02:40 p.m.

   D) 8:03:00 p.m.

   Answer: A) 8:02:00 p.m.


42. Find the angle between the hour hand and minute hand when the time is 2:40.

   A) 160°

   B) 150°

   C) 140°

   D) 130°

   Answer: A) 160°


43. A girl was looking at her watch and she mistakenly read 3 as 1, 4 as 2, and so on. If her watch showed 4:30, what was the correct time?

A) 2:15

B) 2:30

C) 4:15

D) 4:30

Answer: A) 2:15

44. At what time will the hands of a clock be opposite to each other between 11 and 12?

A) 11:27 3/11

B) 11:28 2/11

C) 11:29 1/11

D) 11:30

Answer: A) 11:27 3/11

45. The angle between the hour hand and the second hand at 4 o'clock is:

A) 120°

B) 180°

C) 240°

D) 0°

Answer: A) 120°

46. My watch, which was correct at noon, shows 5 p.m. now, but it has been losing 15 minutes every hour. What is the correct time now?

A) 4 p.m.

B) 4:15 p.m.

C) 3:45 p.m.

D) 3:30 p.m.

Answer: D) 3:30 p.m.

47. At what time between 12 and 1 are the hands of a clock 8 minutes apart?

A) 12:08 8/11

B) 12:51 3/11

C) Both A and B

D) None of the above

Answer: C) Both A and B

48. What is the angle between the hands of a clock at 6:45?

A) 60°

B) 62.5°

C) 65°

D) 67.5°

Answer: D) 67.5°

49. How many degrees does an hour hand move in 10 minutes?

A) 5°

B) 10°

C) 12°

D) 15°

Answer: A) 5°

50. A clock is showing 3:15. If the minute hand is pointing North, the hour hand will point:

A) South-West

B) North-West

C) South-East

D) North-East

Answer: A) South-West

51. The minute hand lags behind the hour hand by 4 minutes. What is the angle between them?

A) 20°

B) 22°

C) 24°

D) 26°

Answer: B) 22°

52. A clock is showing correct time at 9 a.m. on Monday. If the clock loses 12 minutes in 24 hours, what will be the actual time when the clock indicates 8:30 p.m. on Wednesday?

   A) 9 p.m.

   B) 9:30 p.m.

   C) 10 p.m.

   D) 10:30 p.m.

   Answer: A) 9 p.m.


53. At what time between 3 and 4 o'clock are the hands of a clock 4 minutes apart?

   A) 3:12

   B) 3:21 9/11

   C) Both A and B

   D) None of the above

   Answer: C) Both A and B


54. Find the time between 8 and 9 when the hands of the clock form an angle of 120°.

   A) 8:21 9/11

   B) 8:54 6/11

   C) Both A and B

   D) None of the above

   Answer: C) Both A and B


55. The angle between the hands of a clock is 140°. If the hour hand is between 2 and 3, what is the time?

   A) 2:03 7/11

   B) 2:54 6/11

   C) Both A and B

   D) None of the above

   Answer: B) 2:54 6/11


56. What is the angle between the hour hand and the minute hand at 10:10?

A) 110°

B) 115°

C) 120°

D) 125°

Answer: B) 115°

57. A clock which gains 1 minute every hour was set right at 12 noon. What time will it show at 1 p.m. the next day?

A) 1:25 p.m.

B) 1:26 p.m.

C) 1:27 p.m.

D) 1:28 p.m.

Answer: A) 1:25 p.m.

58. At what time between 4 and 5 o'clock will the hands of a clock be 6 minutes apart?

A) 4:15 3/11

B) 4:28 4/11

C) Both A and B

D) None of the above

Answer: C) Both A and B

59. The time on a clock is 8:27. What is the angle between the hands?

A) 45°

B) 46.5°

C) 48°

D) 49.5°

Answer: B) 46.5°

60. A clock is set right at 2 p.m. It loses 3 minutes every 2 hours. What will be the true time when the clock indicates 8 a.m. the next day?

A) 8:27 a.m.

B) 8:30 a.m.

C) 8:33 a.m.

D) 8:36 a.m.

Answer: B) 8:30 a.m.

61. What is the angle between the hands of a clock at 7:20?

A) 100°

B) 110°

C) 120°

D) 130°

Answer: A) 100°

62. A clock is 1 minute fast at 1 p.m. on Tuesday and 2 minutes slow at 1 p.m. on Thursday. When did it show the correct time?

A) 9 a.m. on Wednesday

B) 9 p.m. on Wednesday

C) 10 a.m. on Wednesday

D) 10 p.m. on Wednesday

Answer: A) 9 a.m. on Wednesday

63. The time shown by a reflection in a mirror is 11:35. What is the actual time?

A) 12:25

B) 12:35

C) 1:25

D) 1:35

Answer: A) 12:25

64. At what time between 5 and 6 o'clock do the hands of a clock coincide?

A) 5:27 3/11

B) 5:28 2/11

C) 5:29 1/11

D) 5:30

Answer: A) 5:27 3/11

65. What is the angle between the hour and minute hands at 3:10?

A) 30°

B) 35°

C) 40°

D) 45°

Answer: B) 35°

66. A clock gains 5 minutes every 2 hours. If it is set at 10 a.m., what time will it show at 2 p.m. on the same day?

A) 2:05 p.m.

B) 2:10 p.m.

C) 2:15 p.m.

D) 2:20 p.m.

Answer: B) 2:10 p.m.

67. What is the time when the hands of a clock are 10 minutes apart between 6 and 7 o'clock?

A) 6:21 9/11

B) 6:43 7/11

C) Both A and B

D) None of the above

Answer: C) Both A and B

68. The angle between the hands of a clock is 120°. If the hour hand is between 8 and 9, what time does the clock show?

A) 8:21 9/11

B) 8:54 6/11

C) Both A and B

D) None of the above

Answer: A) 8:21 9/11

69. How many times will the hour and minute hands of a clock be at a 180° angle to each other in a day?

   A) 22

   B) 24

   C) 44

   D) 48

   Answer: A) 22


70. At 3:40, the hour hand and the minute hand of a clock form an angle of:

   A) 120°

   B) 125°

   C) 130°

   D) 135°

   Answer: C) 130°


71. A watch which gains time uniformly is 5 min slow at 8 a.m. on a Sunday. It is 5 min 48 sec fast at 8 p.m. on the next Sunday. When was it correct?

   A) 8:20 p.m. on Wednesday

   B) 7:20 p.m. on Wednesday

   C) 8:20 a.m. on Thursday

   D) 7:20 a.m. on Thursday

   Answer: B) 7:20 p.m. on Wednesday


72. At what time between 9 and 10 o'clock are the hands of a clock in opposite directions?

   A) 9:16 4/11

   B) 9:17 3/11

   C) 9:18 2/11

   D) 9:19 1/11

   Answer: A) 9:16 4/11


73. What is the angle between the hands of a clock at 4:35?

   A) 70°

B) 72.5°

C) 75°

D) 77.5°

Answer: B) 72.5°

74. A clock is 10 minutes fast. If the correct time is 2:00 p.m., what time does the clock show?

A) 1:50 p.m.

B) 2:10 p.m.

C) 2:00 p.m.

D) 1:55 p.m.

Answer: B) 2:10 p.m.

75. At what time between 2 and 3 o'clock are the hands of a clock 5 minutes apart?

A) 2:05 5/11

B) 2:16 4/11

C) Both A and B

D) None of the above

Answer: C) Both A and B

76. The speed of the minute hand compared to the hour hand is:

A) 6 times faster

B) 12 times faster

C) 10 times faster

D) 5.5 times faster

Answer: B) 12 times faster

77. A clock which is running 15 minutes late shows 5:45 p.m. What is the actual time?

A) 5:30 p.m.

B) 6:00 p.m.

C) 5:45 p.m.

D) 6:15 p.m.

Answer: B) 6:00 p.m.

78. The angle between the hands of a clock at 8:20 is:

A) 120°

B) 130°

C) 140°

D) 150°

Answer: B) 130°

79. At what time between 1 and 2 o'clock will the hands of the clock be in a straight line, but not together?

A) 1:38 2/11

B) 1:39 1/11

C) 1:40

D) 1:37 3/11

Answer: A) 1:38 2/11

80. A clock is 2 minutes slow at noon on Monday and is 4 minutes 48 seconds fast at 2 p.m. on the following Monday. When was it correct?

A) 2 p.m. on Tuesday

B) 2 p.m. on Wednesday

C) 3 p.m. on Thursday

D) 1 p.m. on Friday

Answer: B) 2 p.m. on Wednesday

81. What is the angle between the hands of a clock at 11:20?

A) 130°

B) 140°

C) 150°

D) 160°

Answer: B) 140°

82. A clock is set right at 8 a.m. The clock gains 10 minutes in 24 hours. What will be the right time when the clock indicates 1 p.m. on the following day?

   A) 12:48 p.m.

   B) 12:50 p.m.

   C) 12:52 p.m.

   D) 12:54 p.m.

   Answer: A) 12:48 p.m.


83. What is the time when the hands of a clock are 2 minutes apart between 10 and 11 o'clock?

   A) 10:52 8/11

   B) 10:56 4/11

   C) Both A and B

   D) None of the above

   Answer: C) Both A and B


84. The angle between the hands of a clock is 150°. If the hour hand is at 5, what is the time?

   A) 5:09 1/11

   B) 5:43 7/11

   C) Both A and B

   D) None of the above

   Answer: B) 5:43 7/11


85. In 12 hours, how many times does the minute hand of a clock pass the hour hand?

   A) 10

   B) 11

   C) 12

   D) 13

   Answer: B) 11


86. What is the angle between the two hands of a clock at 5:25?

   A) 10°

B) 12.5°

C) 15°

D) 17.5°

Answer: B) 12.5°

87. A clock goes fast by 15 minutes compared to the right time every 24 hours. If it is corrected and set to the standard time at 10 a.m. on Monday, what will be the time when it indicates 4 p.m. on the following Saturday?

   A) 3:45 p.m.

   B) 3:30 p.m.

   C) 3:15 p.m.

   D) 3:00 p.m.

   Answer: D) 3:00 p.m.

88. At what time between 10 and 11 o'clock will the hands of a clock be together?

   A) 10:54 6/11

   B) 10:55 5/11

   C) 10:56 4/11

   D) 10:57 3/11

   Answer: A) 10:54 6/11

89. What is the angle between the hands of a clock at 12:45?

   A) 110°

   B) 112.5°

   C) 115°

   D) 117.5°

   Answer: B) 112.5°

90. A clock is set to show the correct time at 6 a.m. The clock loses 12 minutes in 24 hours. What will be the true time when the clock indicates 6 p.m. on the 5th day?

   A) 7 p.m.

   B) 8 p.m.

C) 9 p.m.

D) 10 p.m.

Answer: B) 8 p.m.

91. What is the angle between the hands of a clock at 9:30?

A) 90°

B) 105°

C) 120°

D) 135°

Answer: B) 105°

92. A watch that is 10 minutes fast shows 10:10 a.m. What is the correct time?

A) 10:00 a.m.

B) 10:20 a.m.

C) 9:50 a.m.

D) 10:05 a.m.

Answer: A) 10:00 a.m.

93. At what time between 8 and 9 o'clock will the hands of a clock be in a straight line, but not together?

A) 8:10 10/11

B) 8:11 9/11

C) 8:12 8/11

D) 8:13 7/11

Answer: A) 8:10 10/11

94. The angle between the hands of a clock is 80°. If the hour hand is at 6, what time does the clock show?

A) 6:18 2/11

B) 6:47 3/11

C) Both A and B

D) None of the above

Answer: C) Both A and B

95. In 24 hours, how many times are the hands of a clock at a 90° angle?

  A) 22

  B) 24

  C) 44

  D) 48

  Answer: C) 44

96. What is the angle between the hour hand and minute hand at 2:15?

  A) 20°

  B) 22.5°

  C) 25°

  D) 27.5°

  Answer: B) 22.5°

97. A clock which is 10 minutes slow shows 8 a.m. on Sunday. It gains 5 minutes per day. What will be the time on the clock on Wednesday at 8 p.m.?

  A) 8:05 p.m.

  B) 8:10 p.m.

  C) 8:15 p.m.

  D) 8:20 p.m.

  Answer: A) 8:05 p.m.

98. At what time between 4 and 5 o'clock will the hands of a clock be together?

  A) 4:21 9/11

  B) 4:22 8/11

  C) 4:23 7/11

  D) 4:24 6/11

  Answer: A) 4:21 9/11

99. The angle between the minute hand and the hour hand of a clock when the time is 4:10 is:

   A) 60°

   B) 65°

   C) 70°

   D) 75°

   Answer: B) 65°


100. A watch which was set right at noon shows 20 minutes past 4 at 5 p.m. on the same day. How many minutes does the watch gain or lose in 24 hours?

   A) 120 min loss

   B) 120 min gain

   C) 96 min loss

   D) 96 min gain

   Answer: D) 96 min gain