CLOCK

1) An accurate clock shows 8 o'clock in the morning. Through how may degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?
a) 144°   b) 150°
c) 168°   d) 180°

2) At what time between 7 and 8 o'clock will the hands of a clock be in the same straight line but, not together?
a) 5 min. past 7   b) $5\frac{1}{11}$ min. past 7
c) $5\frac{3}{11}$ min. past 7   d) $5\frac{5}{11}$ min. past 7

3) When the time is 5:40, then what is the angle b/w the hour hand & the minute hand of a clock?
a) 70°   b) 60°
c) 74°   d) 80°

4) At what time between 2 and 3 o'clock will the hands of a clock be together?
a) 10(10/11)min. past 2   b) 10 min. past 2
c) 20(10/11)min. past 2   d) 12 min. past 2

5) Find the angle between the hour hand and the minute hand of a clock when 3.25.
a) 47*1/2°   b) 48*1/2°
c) 49*1/2°   d) 50*1/2°

6) At what time between 4 and 5 o'clock will the hands of a clock be at right angle?
a) at 32/11 min. past 4.   b) at 32/11 min. past 4.
c) at 35/11 min. past 4.   d) at 40/11 min. past 4.

7) Find at what time between 8 and 9 o'clock will the hands of a clock being the same straight line but not together.
a) at 120/11 min.   b) at 122/11 min.
c) at 127/11 min.   d) at 130/11 min.

8) A watch which gains uniformly, is 6 min. slow at 8 o'clock in the morning Sunday and it is 6 min. 48 sec. fast at 8 p.m. on following Sunday. When was it correct?
a) at 20 min. past 7 p.m. on Wednesday.
b) at 35 min. past 7 p.m. on Wednesday.
c) at 50 min. past 7 p.m. on Wednesday.
d) at 24 min. past 7 p.m. on Wednesday.

9) A clock is set right at 6 a.m. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 10 p.m. on 4th day?
a) 10 p.m.   b) 11 p.m.
c) 911 p.m.   d) 12 p.m.

10) A clock is set right at 8 a.m. The clock gains 10 minutes in 24 hours will be the true time when the clock indicates 1 p.m. on the following day?
a) 38 min. past 12.   b) 40 min. past 12.
c) 48 min. past 12.   d) 50 min. past 12.

11) How many times in a day, are the hands of a clock in straight line but opposite in direction?
a) 20   b) 22
c) 24   d) 48

12) A clock is started at noon By 10 minutes past 5, the hour hand has turned through
a) 140°   b) 145°
c) 150°   d) 155°

13) A clock is set right at 8 a.m. The clock gains 10 minutes in 24 hours will be the true time when the clock indicates 1 p.m. on the following day?
a) 48 min. past 12.   b) 46 min. past 12.
c) 45 min. past 12.   d) 47 min. past 12.

14) At what time between 5 and 6 o' clock are the hands of a 3 minutes apart ?
a) 24min   b) 12min
c) 13min   d) 14min

15) A clock is set right at 5 a.m. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 10 p.m. on 4th day?
a) 11pm   b) 12pm
c) 1pm   d) 2pm

16) Find the angle between the hour hand and the minute hand of a clock when the time is 3.25
a) 47.5 degrees   b) 57.5 degrees
c) 45.5 degrees   d) 55.5 degrees

Reasoning

17) An accurate clock shows 8 o'clock in the morning. Through how may degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?
a) 360   b) 180
c) 90   d) 60

18) At what time between 9 and 10 o'clock will the hands of a watch be together?
a) (49 + 3/11) min past 11
b) (49 +1/11) min past 9
c) (45 +1/11) min past 9
d) (45 +7/11) min past 11

19) At what time between 5.30 and 6 will the hands of a clock be at right angles?
a) (43 + 5/11) min past 5
b) (43 + 7/11) min pats 5
c) 5
d) 7

20) What time between 4 and 5 o'clock will the hands of a clock be at rightangle?
a) 3 5/11   b) 4 5/11
c) 5 5/11   d) 6 5/11

21) At what time, in minutes, between 3 o'clock and 4 o'clock, both the needles will coincide each other?
a) 11 4/11   b) 13 4/11
c) 15 4/11   d) 16 4/11

22) A watch gains 5 seconds in 3 minutes and was set right at 8 AM. What time will it show at 10 PM on the same day ?
a) 10 : 27 : 41 AM   b) 8 : 51 : 04 AM
c) 9 : 45 : 15 PM   d) 10 : 23 : 20 PM

23) How much does a watch lose per day, if its hands coincide ever 64 minutes?
a) 32 8/11   b) 33 8/11
c) 34 8/11   d) 35 8/11

24) At what time between 3 and 4 o'clock will the minute hand and the hour hand are on the same straight line but facing opposite directions ?
a) 3:15 2/8   b) 3:49
c) 3:49 1/11   d) 3:51

25) How many degrees will the minute hand move, in the same time in which the second hand move 4800 ?
a) 80 deg   b) 160 deg
c) 140 deg   d) 135 deg

26) At what time, between 3 o'clock and 4 o'clock, both the hour hand and minute hand coincide each other ?
a) 3:16 7/11   b) 3:16 11/4
c) 3:30   d) 3:16 4/11

27) What is the angle made by the hour hand and the minute hand, if the clock shows 9:15 pm ?
a) 165 degrees   b) 172.5 degrees
c) 112.5 degrees   d) 125.5 degrees

28) How many degrees will the minute hand move, in the same time in which the second hand move 5400 ?
a) 90 degrees   b) 85 degrees
c) 60 degrees   d) 45 degrees

29) How many times are the hands of a clock at right angle in a day?
a) 44   b) 54
c) 64   d) 22

30) What time will it be 18 hours from now in India, if in the USA it is 4:15 AM?
(Hint : IST = US + 9:30 hrs)
a) 1:45 in the afternoon
b) 7:45 in the evening
c) 7:45 in the next morning
d) 1:45 in the next morning

31) At 6'o clock a clock ticks 6 times. The time between first and last ticks is 30 seconds. How long does it tick at 12'o clock ?
a) 66 sec   b) 55 sec
c) 36 sec   d) 24 sec

33) How many times do the hands of a clock coincide in a day?
a) 20   b) 21
c) 22   d) 23

34) What is the ratio of 18 minutes to one hour ?
a) 1/5   b) 3/4
c) 1/7   d) 3/10
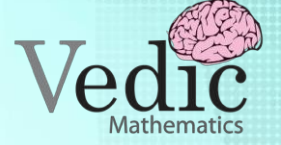
35) A clock is set right at 5 a.m. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 10 p.m. on 4th day?
a) 8 p.m   b)9 p.m
c)10 p.m   d)11 p.m

36) . A watch which gains uniformly is 2 minutes low at noon on Monday and is 4 min. 48 sec fast at 2 p.m. on the following Monday. When was it correct
a) 2 p.m. on Monday   b)2 p.m. on Tuesday
c)2 p.m. on Wednesday   d)3 p.m. on Thursday

37) At what time between 5.30 and 6 will the hands of a clock be at right angles?
a) 40 min. past 5   b) 42 min. past 5
c) 43 4/11 min past 5   d) 43 7/11 min. past 5

38) At what time between 4 and 5 o'clock will the hands of a watch point in opposite directions?
a) 54 6/11 min. past 4   b) 50 min. past 4
c) 45 min past 4   d) 40 min past 4

39) . At what time between 9 and 10 o'clock will the hands of a watch be together?
a) 49 1/11 min. past 9   b) 40 min. past 9
c) 45 min. past 9   d) 50 min. past 9

40) How many times in a day, are the hands of a clock in straight line but opposite in direction?
a) 22   b) 23
c) 24   d) 25

41) . How many times in a day, the hands of a clock are straight?
a) 12   b) 24
c) 44   d) 56

42) How many times do the hands of a clock coincide in day?
a) 11   b) 12
c) 22   d) 24

43) At what time between 7 and 8 will the hands of a clock be in the same straight line but, not together?
a) 5 (5/11) min past 7   b) 5 (4/11) min past 7
c) 5 (3/11) min past 7   d) 5 (2/11) min past 7

44) At what time between 4 and 4.59 will the hands of a watch point in opposite directions?
a) 45 min. past 4   b) 40 min. past 4
c) 50 (4/11) min. past 4   d) 54 (6/11) past 4

45) The angle between the minute hand and the hour hand of a clock when the time is 8.30, is
a) 65   b) 75
c) 85   d) 90

46) At what time, in minutes, between 3 o'clock and 3.25 pm, both the needles of the clock will coincide each other?
a) 13 (4/11)   b) 14 (4/11)
c) 15 (4/11)   d)16 (4/11)

47) A clock is set right at 5 am the clock loses 16 min in 24 hours. What will be the right time when the clock indicates on 3 pm the 8th day?
a) 4 pm   b) 5 pm
c) 6 pm   d) 7 pm

48) How much does a watch gain or lose per day, if its hands coincide every 64 minutes?
a) Gain 92 min   b) Lose 9 min
c) Lose 34 (5/11) min   d) Lose 32 (8/11) min

49) At what time between 7.02 and 8.02 will the hands of a watch be in the straight line but no together?
a) 5 (3/11) min past 7   b) 5 (5/11) min past 7
c) 5 (3/11) min past 7   d) 43 min past 7

50) At what time between 3 & 4 will the hands of a watch point in opposite directions?
a) 43 min past 3   b) 42 (5/11) min past 3
c) 49 (1/11) min past 3   d) 50 min past 3