Clocks

Model 1:

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. What is the angle between the hands of the clock 4 : 20?

(A) 230^0 (B) 10^0

(C) 56^0 (D) 110^0

3. At what angle the hands of a clock are inclined at 15 minutes past 5?

(A) $58\frac{1}{2}^\circ$ (B) 64^o

(C) $67\frac{1}{2}^\circ$ (D) $72\frac{1}{2}^\circ$

4. At what time between 6 and 7 are the hands of a Clock 5 minutes apart?

(a) $27\frac{3}{11}$ minutes past 6

(b) $38\frac{2}{11}$ minutes past 6

(c) Both a) & b) (d) None

Model 2:

5. At what time between 3 and 4 O'clock will the hands of a clock be together?

(A) $59\frac{1}{11}$ min (B) $54\frac{1}{11}$ min

(C) $16\frac{4}{11}$ min (D) None

6 . At what time between 6 and 7 will the hands be perpendicular?

(A) $49\frac{1}{11}$ min (B) $54\frac{1}{11}$ min

(C) $47\frac{1}{11}$ min (D) $41\frac{1}{11}$ min

7. Find at what time between 7 O' clock and 8 O' clock will the hands of a clock be in the same straight line but not together?

(A) $5\frac{6}{11}$ minutes past 7

(B) $5\frac{5}{11}$ minutes past 7

(C) 5 (D) None

Model 3:

8. A digital wristwatch was set accurately at 8.30 a.m and then lost 2 seconds every 5 minutes. What time was indicated on the watch at 6.30 p.m of the same day if the watch operated continuously till that time?

(A) 5:56 p.m (B) 5:58 p.m

(C) 6.00 p.m (D) 6.23 p.m (E) 6.26 p.m

9. A clock loses 5 minutes for every hour and another gains 5 minutes every hour. If they are set correct at 10 A.M. on Monday then when will they be 12 hours apart?

(A) 10 A.M. on Friday

(B) 10 A.M. on Thursday

(C) 10 A.M. on Wednesday

(D) 10 A.M. on Tuesday

10. How much does a watch lose per day, if its hands coincide every 64 minutes?

(A) $32\frac{8}{11}$ min. (B) $36\frac{5}{11}$ min.

(C) 90 min. (D) 96 min.

11. If the hands of a clock coincide every 65 minutes, how much time does the clock gain or lose in 12 hours?

(A) $5\frac{5}{144}$ min. (B) $5\frac{10}{143}$ min.

(C) $5\frac{5}{143}$ min. (D) $4\frac{5}{143}$ min.

Answer key

1	2	3	4	5	6	7	8	9	10	11
C	B	C	C	C	A	B	E	B	A	C