

Moderate Level

1. If in a clock, the hour hand rotates 18° , then how much angle, the second hand will rotate in the same clock? [RRB ALP 2018]

- (a) 168° (b) 276°
(c) 196° (d) **216°**

2. How much angular distance will be covered by the minute hand of a correct clock in a period of 2 h 20 min?

- (a) 140° (b) **840°**
(c) 320° (d) 520°

3. Find the angle traced by hour hand of a correct clock between 8 O'clock and 2 O'clock.

[FCI Watchman 2018]

- (a) **180°** (b) 168°
(c) 150° (d) 144°

4. What is the angle between the hour hand and the minute hand at half past two? [RRB ALP 2018]

- (a) **105°** (b) 120°
(c) 75° (d) 90°

5. The angle between the minute hand and the hour hand of a clock, when the time is 4: 20 is

[CGPSC Pre 2017]

- (a) 0° (b) **10°**
(c) 5° (d) 20°
(e) None of these

6. At half past 5 in the evening, the smaller angle between the hour and minute hands of a clock is

[IB ACIO 2007]

- (a) 10° (b) 12°
(c) **15°** (d) 18°

7. What degree of angle is made by the hands of clock at 10:35? [RRB (ALP) 2008]

- (a) $72 \frac{1}{2}^\circ$ (b) $97 \frac{1}{2}^\circ$
(c) **$107 \frac{1}{2}^\circ$** (d) $117 \frac{1}{2}^\circ$

8. What will be the angle between the 7:10? hands of clock at [UP B. Ed. 2020]

- (a) 185° (b) **155°**
(c) 170° (d) 165°

9. What will be the angle between the hands of clock at 9:30? [UP B. Ed. 2008]

- (a) 75° (b) 90°
(c) **105°** (d) 120°

10. Find the angle between the two hands of clock at 4:10

- (a) 61° (b) 68°
(c) 55° (d) **65°**

11. What will be the measurement of the angle made the hands of a clock when the time is 8:35?

- (a) 32.4° (b) 37.5°
(c) 45° (d) **47.5°**

12. What angle will be traced by the hands of a clock at 12 : 55?

- (a) $87 \frac{1}{2}^\circ$ (b) $67 \frac{1}{2}^\circ$
(c) **$57 \frac{1}{2}^\circ$** (d) $27 \frac{1}{2}^\circ$

13. What angle will be traced by the hands of a clock at 7 : 35? [MAT 2010]

- (a) $7 \frac{1}{2}^\circ$ (b) **$17 \frac{1}{2}^\circ$**
(c) $27 \frac{1}{2}^\circ$ (d) $37 \frac{1}{2}^\circ$

14. In a clock at 7 : 30, what will be the angle between minute hand and hour hand?

[UPSSSC VDO 2016]

- (a) 120° (b) 95°
(c) 75° (d) **45°**

15. What angle will be formed between the hands of clock at 3:30? [UPPSC Pre 2014]

- (a) 95° (b) 65°
(c) 85° (d) **75°**

16. What will be angle between the hands of clock at 8:30?
[SSC (CPO) 2015]

- (a) 15° (b) 30°
(c) 45° (d) 75°

17. Find the angle between the hands of clock at 8:20.
[Hotel Mgmt 2012]

- (a) 130° (b) 115°
(c) 125° (d) 140°

18. What will be the angle between the clock at 4:37 pm? two hands of the
[RRB ALP 2018]

- (a) 83.5° (b) 18°
(c) 18.5° (d) 6.5°

19. How many times do the hands of a clock coincide in a day?

- (a) 24 (b) 22
(c) 21 (d) 20

20. In a week, how many times the minute hand and hour hand make right angle with each other?

- [RRB ALP 2018]
(a) 44 (b) 24
(c) 54 (d) 308

21. How many times the hand of a clock are at right angle in a day?

- (a) 24 (b) 48
(c) 22 (d) 44

22. How many times in 24 h the hands of a clock are in straight line but opposite in directions?

- (a) 20 (b) 22
(c) 24 (d) 48

23. How many times in 24 h the hands of a clock are straight?

- (a) 48 (b) 44
(c) 24 (d) 22

24. From 1 O'clock afternoon up to 10 O'clock in the night, the hands of a clock will be at right angle times.

[IAS 2009]

- (a) 9 (b) 10
(c) 16 (d) 20

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

- (a) $24 \frac{9}{11}$ min past 4 (b) $23 \frac{9}{11}$ min past 4
(c) $21 \frac{9}{11}$ min past 4 (d) $21 \frac{7}{11}$ min past 4

26. At what time between 4 O'clock 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) $50 \frac{4}{11}$ min past 4 (d) $54 \frac{6}{11}$ min past 4

27. At what time between 6 O'clock and 7 O'clock will the hands of a clock be at right angle?

- (a) $49 \frac{1}{11}$ min past 6 and $16 \frac{4}{11}$ min past 6
(b) $50 \frac{1}{11}$ min past 6 and $16 \frac{4}{11}$ min past 6
(c) $47 \frac{1}{11}$ min past 6 and $42 \frac{1}{11}$ min past 6
(d) $47 \frac{1}{11}$ min past 6 and $16 \frac{4}{11}$ min past 6