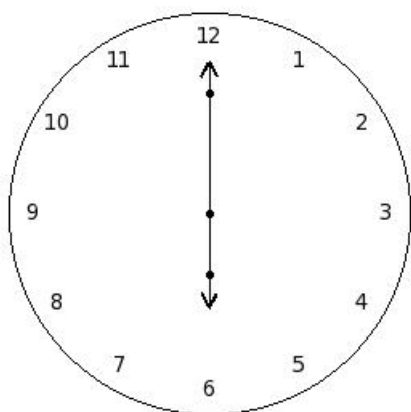


EduSahara™ Learning Center Assignment

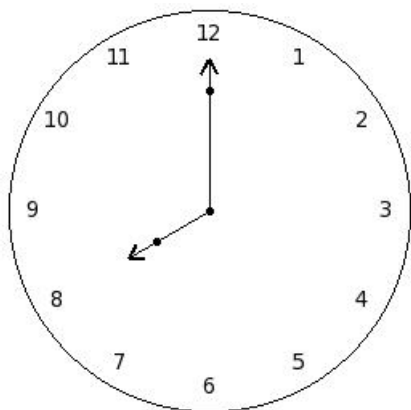
Grade : Class VI, SSC
Chapter : Measures of Lines and Angles
Name : Angle Problems
Licensed To : Teachers and Students for non-commercial use

1. State the angle between the two hands of the clock when the time is 6 A.M.



- (i) 210° (ii) 180° (iii) 190° (iv) 195° (v) 185°
-

2. State the type of angle between the two hands of the clock when the time is 8 A.M.



- (i) complete angle (ii) right angle (iii) straight angle
(iv) obtuse angle (v) zero angle
-

3. What fraction of clockwise revolution does the hour hand of a clock covers, when it goes from 7 to 5?

- (i) $\frac{1}{2}$ (ii) $\frac{5}{4}$ (iii) $\frac{5}{8}$ (iv) $\frac{5}{6}$ (v) $\frac{7}{6}$
-

4. Find the number of right angles covered by the hour hand of clock

when it goes from 5 to 11

- (i) 3 (ii) (-1) (iii) 2 (iv) 4 (v) 1
-

5. The complementary angle of 44° is

- (i) 76° (ii) 61° (iii) 46° (iv) 51° (v) 56°
-

6. The supplementary angle of 50° is

- (i) 135° (ii) 140° (iii) 130° (iv) 160° (v) 145°
-

7. Find the complementary angles pair in the following

- (i) $97^\circ, 43^\circ$ (ii) $77^\circ, 33^\circ$ (iii) $67^\circ, 23^\circ$ (iv) $57^\circ, 23^\circ$ (v) $107^\circ, 53^\circ$
-

8. Find the supplementary angles pair in the following

- (i) $93^\circ, 87^\circ$ (ii) $83^\circ, 87^\circ$ (iii) $133^\circ, 117^\circ$ (iv) $123^\circ, 107^\circ$ (v) $103^\circ, 97^\circ$
-

Where will the hour hand of a clock stop, if it starts from 1 and makes

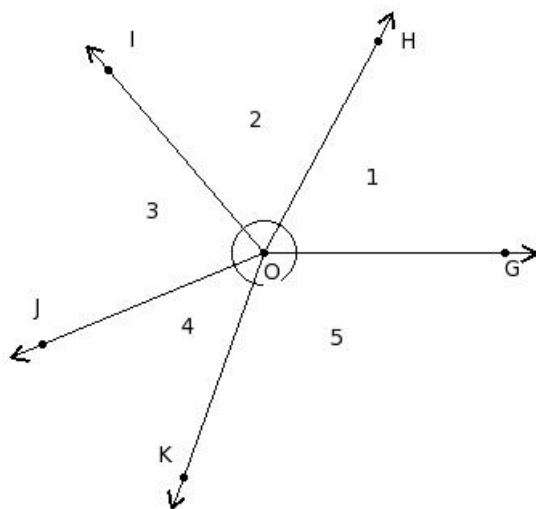
9. $\frac{3}{4}$ of a revolution clockwise?

- (i) 11 (ii) 9 (iii) 10 (iv) 7 (v) 13
-

10. Where will the hour hand of a clock stop, if it starts from 7 and turns through 3 right angles?

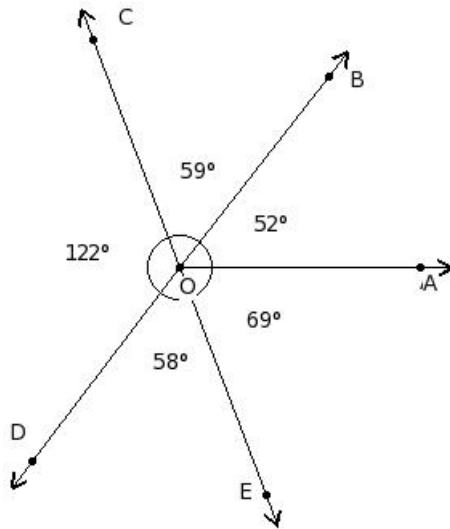
- (i) 6 (ii) 2 (iii) 3 (iv) 4 (v) 5
-

11. Which of the following are adjacent angles in the below figure?



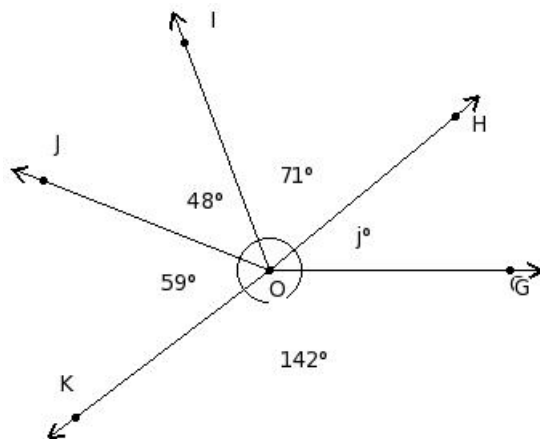
- (i) $\angle KOG$, $\angle HOI$ (ii) $\angle JOK$, $\angle HOI$ (iii) $\angle HOI$, $\angle JOK$
 (iv) $\angle GOH$, $\angle HOI$ (v) $\angle IOJ$, $\angle KOG$

12. Which of the following angles form a linear pair?



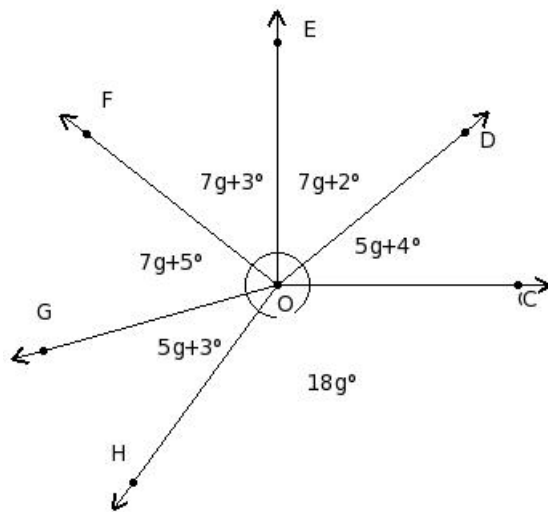
- (i) $(\angle COD, \angle DOE)$ (ii) $(\angle AOB, \angle BOC)$
 (iii) $(\angle DOE, \angle EOA)$ (iv) $(\angle BOC, \angle COD)$

13. Find the value of 'j' in the following figure



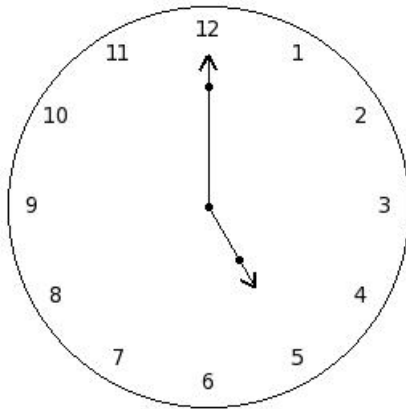
- (i) 70° (ii) 55° (iii) 45° (iv) 50° (v) 40°

14. Find the value of 'g' in the following figure



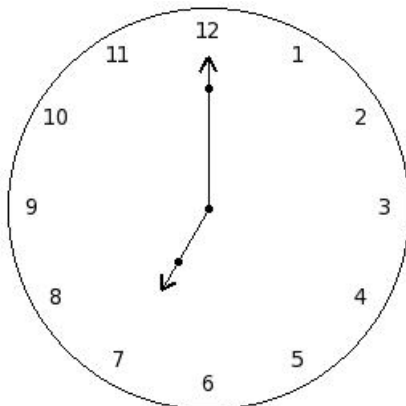
(i) 6 (ii) 8 (iii) 5 (iv) 7 (v) 10

15. State the angle between the two hands of the clock when the time is 5 A.M.



(i) 155° (ii) 160° (iii) 150° (iv) 165° (v) 180°

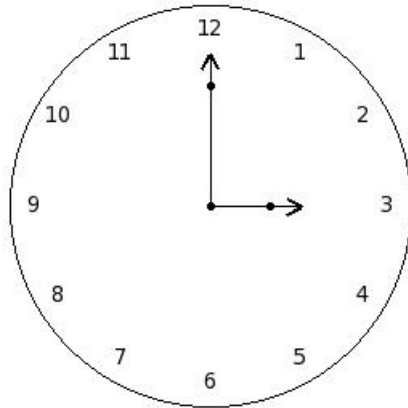
16. State the angle between the two hands of the clock when the time is 7 A.M.



(i) 155° (ii) 160° (iii) 150° (iv) 165° (v) 180°

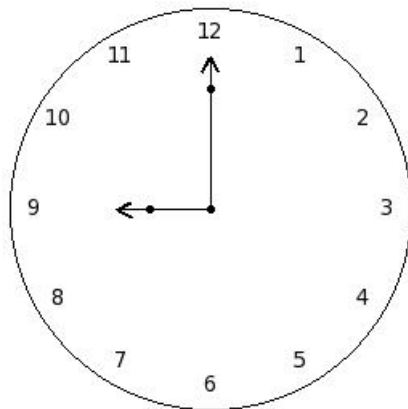
17. State the type of angle between the two hands of the clock

when the time is 3 A.M.



- (i) reflex angle (ii) acute angle (iii) right angle
(iv) zero angle (v) complete angle
-

18. State the type of angle between the two hands of the clock when the time is 9 A.M.



- (i) obtuse angle (ii) acute angle (iii) zero angle
(iv) reflex angle (v) right angle
-

19. What fraction of clockwise revolution does the hour hand of a clock covers, when it goes from 9 to 12 ?

- (i) $(-\frac{1}{4})$ (ii) $\frac{3}{4}$ (iii) $\frac{1}{2}$ (iv) $\frac{1}{4}$ (v) $\frac{1}{6}$
-

20. Find the number of right angles covered by the hour hand of clock when it goes from 4 to 9

- (i) 1 (ii) (-1) (iii) 0 (iv) 4 (v) 2
-

21. The complementary angle of 29° is

- (i) 66° (ii) 91° (iii) 76° (iv) 61° (v) 71°

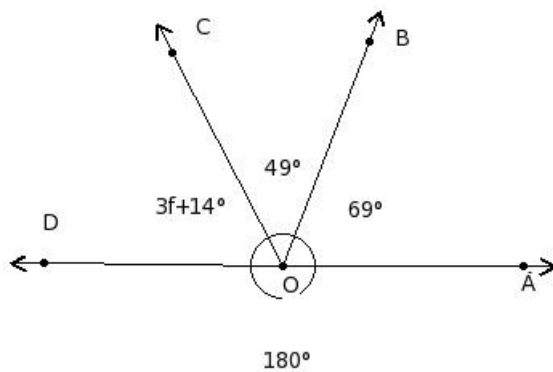
22. The supplementary angle of 102° is

- (i) 78° (ii) 88° (iii) 108° (iv) 93° (v) 83°
-

23. Find the complementary angles pair in the following

- (i) $87^\circ, 73^\circ$ (ii) $47^\circ, 43^\circ$ (iii) $77^\circ, 63^\circ$ (iv) $37^\circ, 43^\circ$ (v) $57^\circ, 53^\circ$
-

24. Find the value of f in the figure below



- (i) 14 (ii) 17 (iii) 15 (iv) 19 (v) 16
-

Assignment Key

- 1) (ii)
- 2) (iv)
- 3) (iv)
- 4) (iii)
- 5) (iii)
- 6) (iii)
- 7) (iii)
- 8) (i)
- 9) (iii)
- 10) (iv)
- 11) (iv)
- 12) (i)
- 13) (v)
- 14) (iv)
- 15) (iii)
- 16) (iii)
- 17) (iii)
- 18) (v)
- 19) (iv)
- 20) (i)
- 21) (iv)
- 22) (i)
- 23) (ii)
- 24) (v)