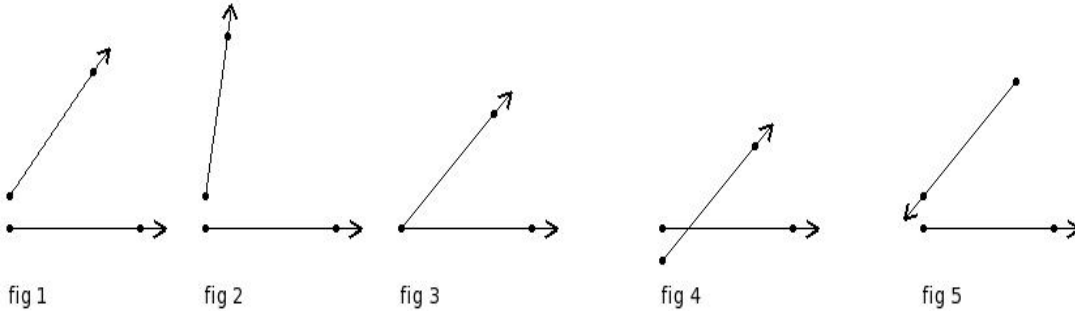


EduSahara™ Learning Center Assignment

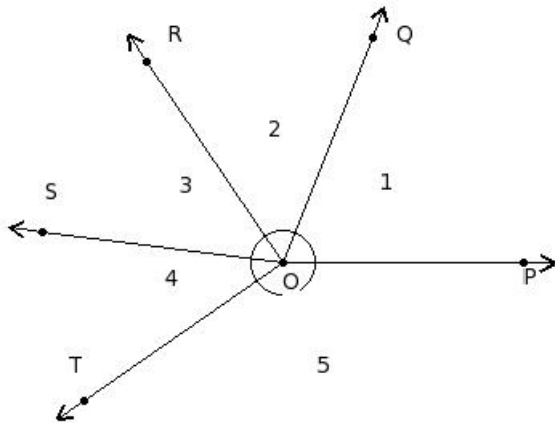
Grade : Class IX, SSC
Chapter : Lines and Angles
Name : Angle Concepts

1. Which of the following figures represent an angle?



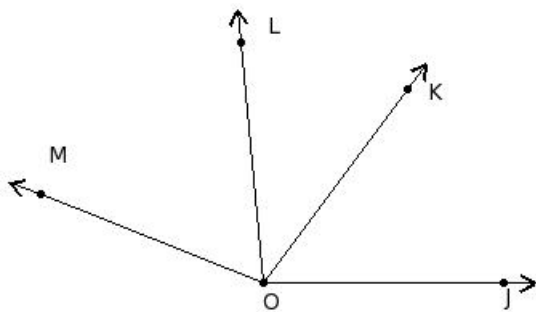
(i) fig 4 (ii) fig 2 (iii) fig 5 (iv) fig 1 (v) fig 3

2. The name of angle 2 in the given figure is



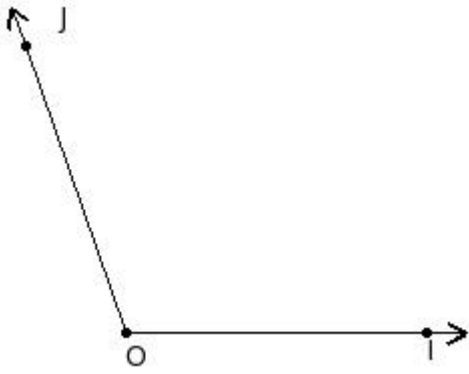
(i) $\angle POQ$ (ii) $\angle QOR$ (iii) $\angle TOP$ (iv) $\angle ROS$ (v) $\angle SOT$

3. Which of the following is the largest angle in the given figure?



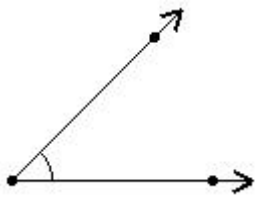
(i) $\angle KOM$ (ii) $\angle KOL$ (iii) $\angle JOK$ (iv) $\angle JOL$ (v) $\angle JOM$

4. The name of the given angle is



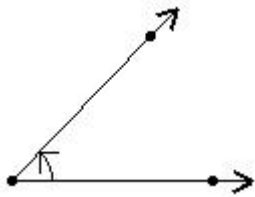
- (i) $\angle IOJ$ (ii) $\angle IJO$ (iii) $\angle JIO$ (iv) $\triangle IOJ$ (v) $\angle IJ$

5. Identify the figure below



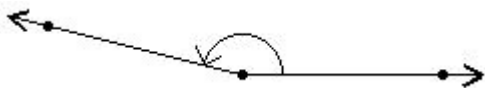
- (i) decagon (ii) triangle (iii) pentagon (iv) angle (v) octagon

6. The following angle represents



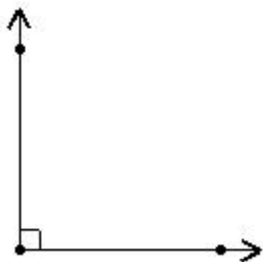
- (i) obtuse angle (ii) reflex angle (iii) zero angle
(iv) right angle (v) acute angle

7. The following angle represents



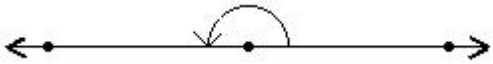
- (i) straight angle (ii) complete angle (iii) obtuse angle
(iv) acute angle (v) reflex angle

8. The following angle represents



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

9. The following angle represents



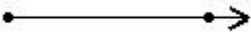
- (i) complete angle (ii) straight angle (iii) obtuse angle
(iv) right angle (v) zero angle

10. The following angle represents



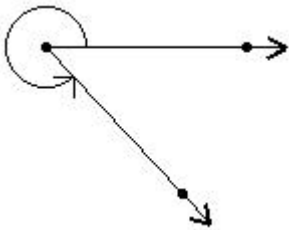
- (i) complete angle (ii) straight angle (iii) reflex angle
(iv) right angle (v) zero angle

11. The following angle represents



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

12. The following angle represents



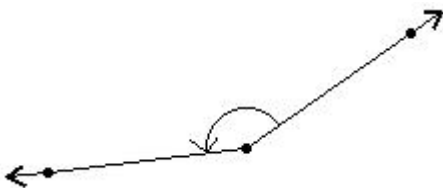
- (i) right angle (ii) reflex angle (iii) straight angle
(iv) zero angle (v) complete angle

13. The following angle represents



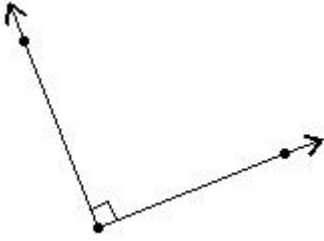
- (i) acute angle (ii) zero angle (iii) obtuse angle
(iv) complete angle (v) reflex angle

14. The following angle represents



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

15. The following angle represents



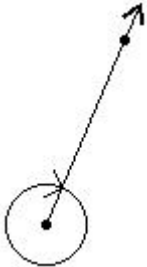
- (i) reflex angle (ii) complete angle (iii) obtuse angle
(iv) straight angle (v) right angle
-

16. The following angle represents



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

17. The following angle represents



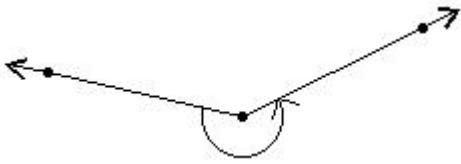
- (i) reflex angle (ii) complete angle (iii) acute angle
(iv) zero angle (v) straight angle
-

18. The following angle represents



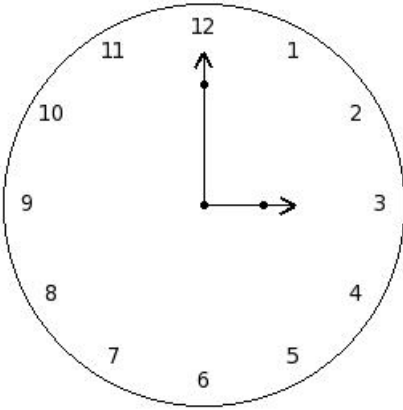
- (i) complete angle (ii) zero angle (iii) obtuse angle
(iv) acute angle (v) reflex angle
-

19. The following angle represents



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

20. State the angle between the two hands of the clock when the time is 3 A.M.



- (i) 100° (ii) 120° (iii) 90° (iv) 95° (v) 105°

21. What fraction of clockwise revolution does the hour hand of a clock covers, when it goes from 3 to 8 ?

- (i) $\frac{5}{14}$ (ii) $\frac{7}{12}$ (iii) $\frac{5}{12}$ (iv) $\frac{1}{4}$ (v) $\frac{1}{2}$

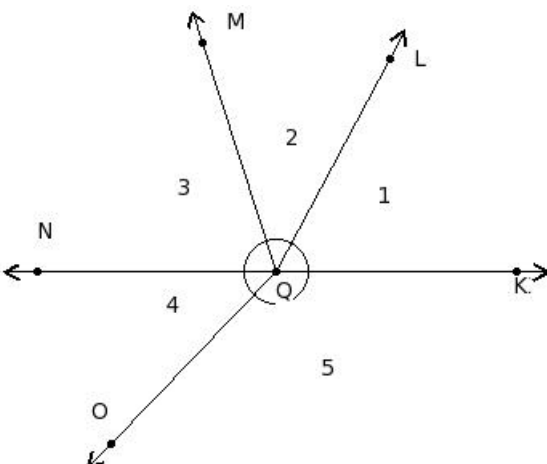
22. Find the number of right angles covered by the hour hand of clock when it goes from 9 to 4

- (i) 0 (ii) 1 (iii) 3 (iv) 4 (v) 2

23. Where will the hour hand of a clock stop, if it starts from 9 and turns through 1 right angle?

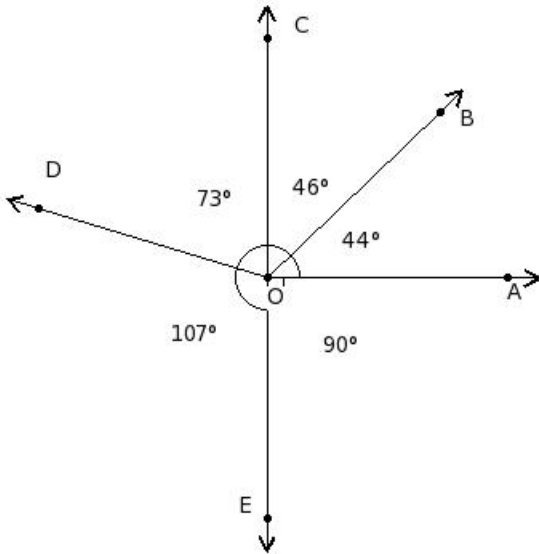
- (i) 14 (ii) 11 (iii) 13 (iv) 12 (v) 10

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



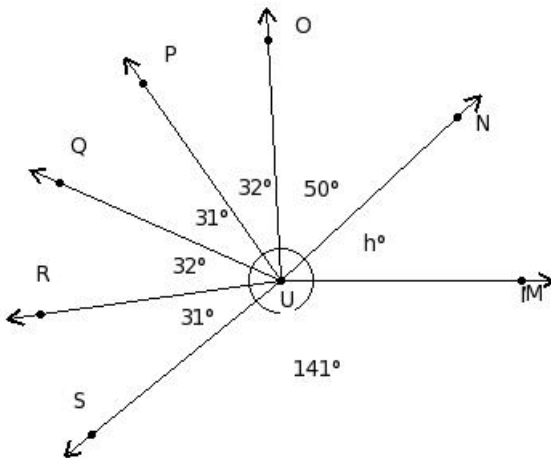
- (i) $\angle NQO$, $\angle LQM$ (ii) $\angle KQL$, $\angle LQM$ (iii) $\angle OQK$, $\angle LQM$
 (iv) $\angle MQN$, $\angle OQK$ (v) $\angle LQM$, $\angle NQO$

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



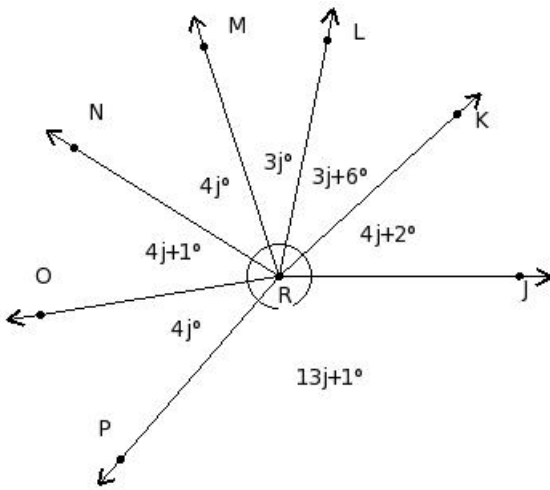
- (i) $(\angle COD, \angle DOE)$ (ii) $(\angle DOE, \angle EOA)$
 (iii) $(\angle AOB, \angle BOC)$ (iv) $(\angle BOC, \angle COD)$

26. Find the value of 'h' in the following figure



- (i) 58° (ii) 43° (iii) 48° (iv) 53° (v) 73°

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



(i) 8 (ii) 11 (iii) 13 (iv) 10 (v) 9

28. Which of the following is an acute angle?

(i) 90° (ii) 360° (iii) 0° (iv) 242° (v) 80°

29. Which of the following is an obtuse angle?

(i) 90° (ii) 180° (iii) 155° (iv) 88° (v) 0°

30. Which of the following is a right angle?

(i) 343° (ii) 90° (iii) 84° (iv) 117° (v) 0°

31. Which of the following is a straight angle?

(i) 85° (ii) 360° (iii) 180° (iv) 0° (v) 236°

32. Which of the following is a complete angle?

(i) 0° (ii) 360° (iii) 62° (iv) 180° (v) 90°

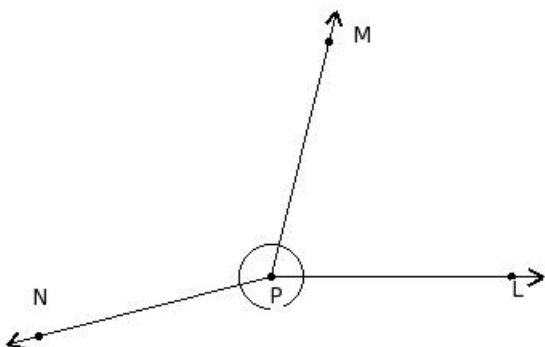
33. Which of the following is a zero angle?

(i) 40° (ii) 207° (iii) 0° (iv) 105° (v) 360°

34. Which of the following is a reflex angle?

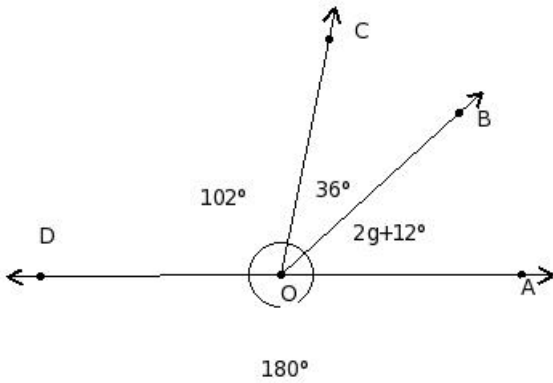
(i) 360° (ii) 116° (iii) 180° (iv) 284° (v) 27°

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



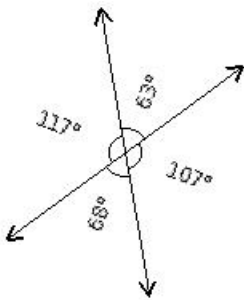
(i) $\angle OPP$, $\angle MPN$ (ii) $\angle PPQ$, $\angle MPN$ (iii) $\angle NPL$, $\angle PPQ$
 (iv) $\angle MPN$, $\angle OPP$ (v) $\angle LPM$, $\angle MPN$

36. Find the value of g in the figure below

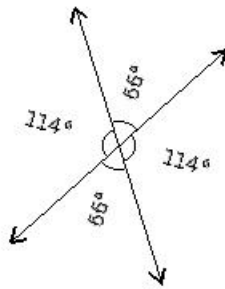


- (i) 15 (ii) 16 (iii) 14 (iv) 17 (v) 13

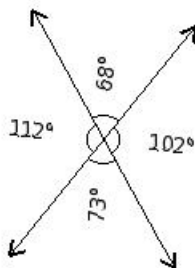
37. Which of the given figures is correct?



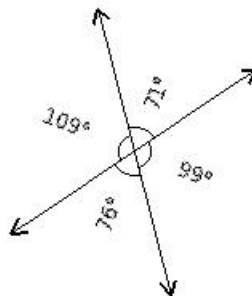
I



II



III



IV

- (i) III (ii) II (iii) IV (iv) I

38. The complementary angle of 52° is

- (i) 48° (ii) 53° (iii) 43° (iv) 68° (v) 38°

39. The supplementary angle of 39° is

- (i) 141° (ii) 171° (iii) 146° (iv) 156° (v) 151°

40. Find the complementary angles pair in the following

- (i) $11^\circ, 69^\circ$ (ii) $31^\circ, 79^\circ$ (iii) $21^\circ, 69^\circ$ (iv) $61^\circ, 99^\circ$ (v) $51^\circ, 89^\circ$

41. Find the supplementary angles pair in the following

- (i) (ii) (iii) (iv) (v)

159°,41° 149°,31° 189°,61° 179°,51° 139°,31°

Assignment Key

- 1) (v)
- 2) (ii)
- 3) (v)
- 4) (i)
- 5) (iv)
- 6) (v)
- 7) (iii)
- 8) (i)
- 9) (ii)
- 10) (i)
- 11) (v)
- 12) (ii)
- 13) (i)
- 14) (ii)
- 15) (v)
- 16) (iv)
- 17) (ii)
- 18) (ii)
- 19) (ii)
- 20) (iii)
- 21) (iii)
- 22) (v)
- 23) (iv)
- 24) (ii)
- 25) (i)
- 26) (ii)
- 27) (iv)
- 28) (v)
- 29) (iii)
- 30) (ii)
- 31) (iii)
- 32) (ii)
- 33) (iii)
- 34) (iv)
- 35) (v)
- 36) (i)
- 37) (ii)
- 38) (v)
- 39) (i)
- 40) (iii)
- 41) (ii)