EduSahara™ Assignment

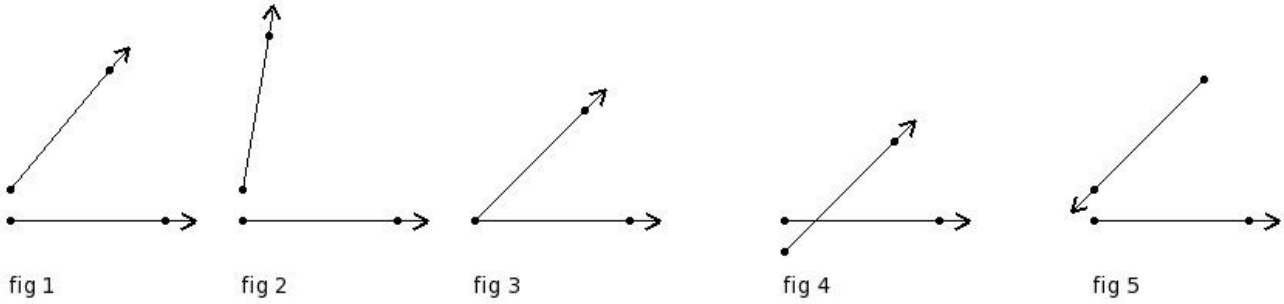
Name : Angle Concepts

Chapter : Lines and Angles

Grade : SSC Grade IX

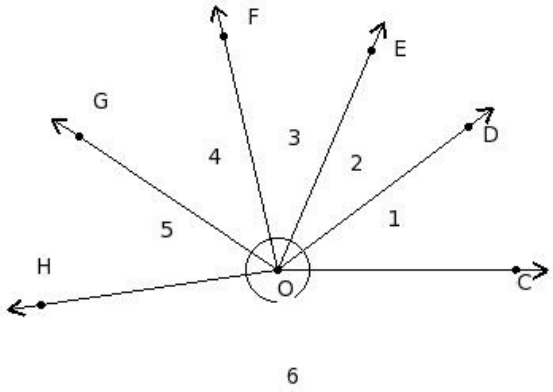
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1. Which of the following figures represent an angle?



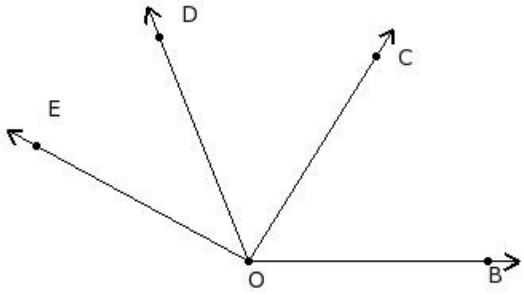
(i) fig 4 (ii) fig 5 (iii) fig 2 (iv) fig 1 (v) fig 3

2. The name of angle 3 in the given figure is



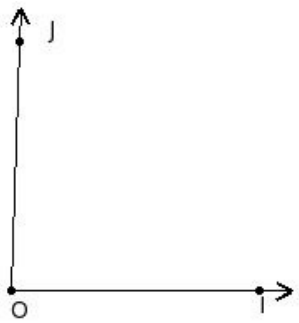
(i) ∠DOE (ii) ∠FOG (iii) ∠COD (iv) ∠EOF (v) ∠HOC

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



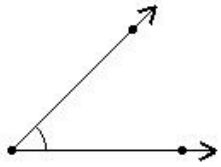
(i) ∠COE (ii) ∠BOE (iii) ∠BOD (iv) ∠BOC (v) ∠COD

4. The name of the given angle is



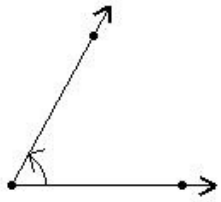
(i) ∠IOJ (ii) ∠IJO (iii) ∠JIO (iv) ∠IJ (v) △IOJ

5. Identify the figure below



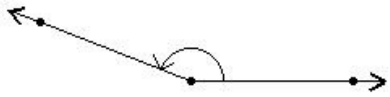
(i) triangle (ii) pentagon (iii) decagon (iv) angle (v) octagon

6. The following angle represents



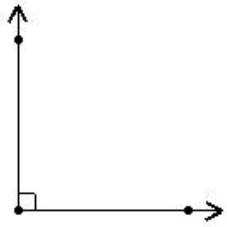
(i) obtuse angle (ii) complete angle (iii) right angle (iv) reflex angle (v) acute angle

7. The following angle represents



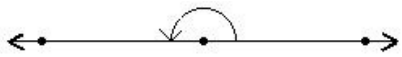
(i) zero angle (ii) obtuse angle (iii) complete angle (iv) acute angle (v) right angle

8. The following angle represents



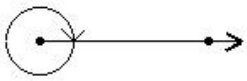
(i) acute angle (ii) reflex angle (iii) straight angle (iv) right angle (v) obtuse angle

9. The following angle represents



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

10. The following angle represents



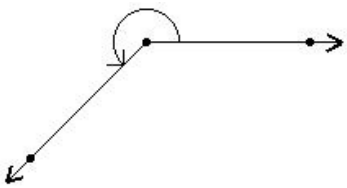
(i) obtuse angle (ii) acute angle (iii) reflex angle (iv) right angle (v) complete angle

11. The following angle represents



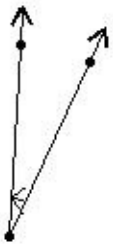
(i) obtuse angle (ii) straight angle (iii) reflex angle (iv) zero angle (v) acute angle

12. The following angle represents



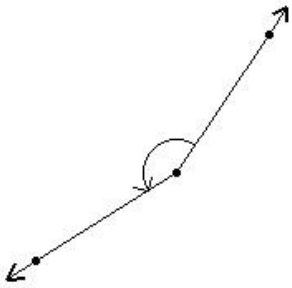
(i) right angle (ii) complete angle (iii) straight angle (iv) reflex angle (v) obtuse angle

13. The following angle represents



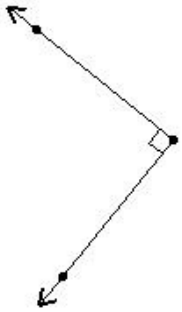
(i) acute angle (ii) zero angle (iii) complete angle (iv) obtuse angle (v) reflex angle

14. The following angle represents



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

15. The following angle represents



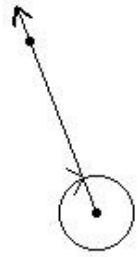
(i) acute angle (ii) complete angle (iii) reflex angle (iv) straight angle (v) right angle

16. The following angle represents



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

17. The following angle represents



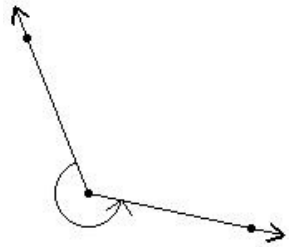
(i) acute angle (ii) obtuse angle (iii) reflex angle (iv) right angle (v) complete angle

18. The following angle represents



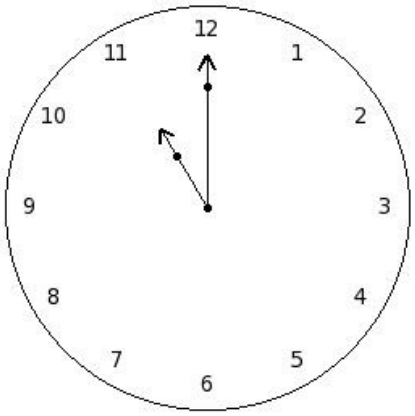
(i) acute angle (ii) complete angle (iii) zero angle (iv) straight angle (v) right angle

19. The following angle represents



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

20. State the angle between the two hands of the clock when the time is 11 A.M.



(i) 40° (ii) 35° (iii) 60° (iv) 45° (v) 30°

21. What fraction of clockwise revolution does the hour hand of a clock covers, when it goes from 8 to 11?

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

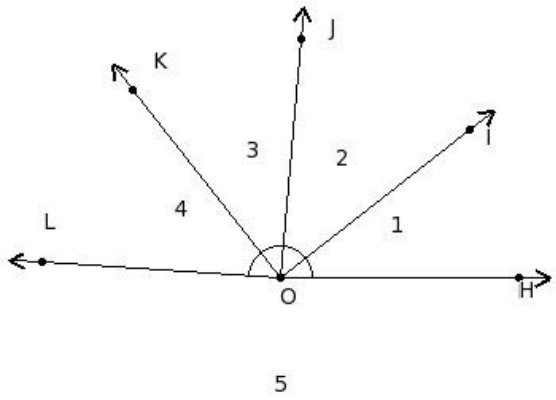
22. Find the number of right angles covered by the hour hand of clock when it goes from 5 to 7

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

23. Where will the hour hand of a clock stop, if it starts from 3 and turns through 4 right angles?

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

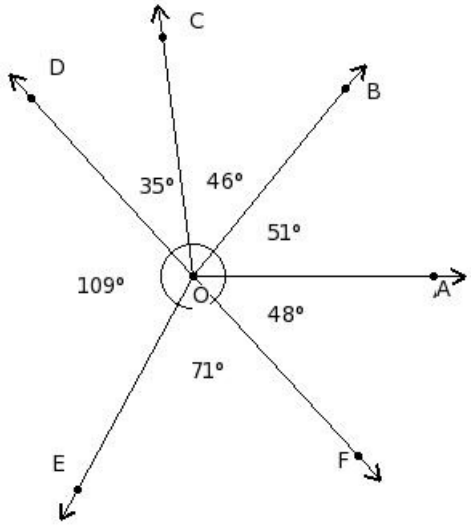
24. Which of the following are adjacent angles in the below figure?



5

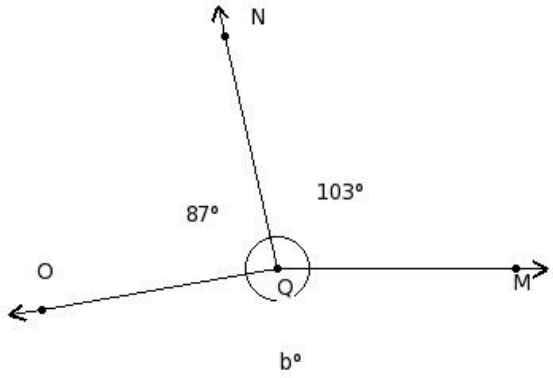
(i) ∠HOI , ∠IOJ (ii) ∠LOH , ∠IOJ (iii) ∠JOK , ∠LOH (iv) ∠KOL , ∠IOJ (v) ∠IOJ , ∠KOL

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



(i) (∠AOB,∠BOC) (ii) (∠DOE,∠EOF) (iii) (∠EOF,∠FOA) (iv) (∠BOC,∠COD) (v) (∠COD,∠DOE)

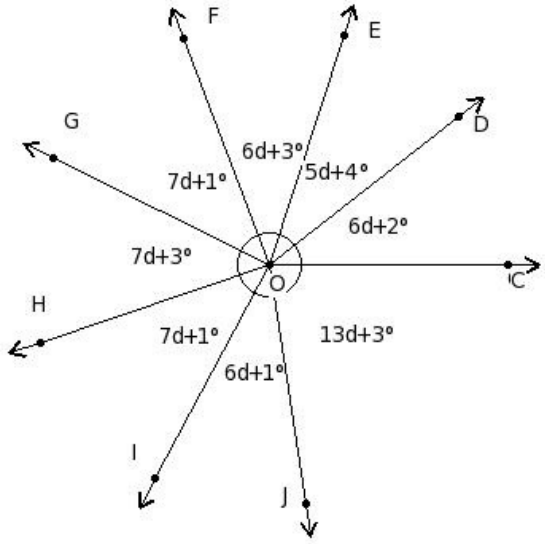
26. Find the value of 'b' in the following figure



b°

(i) 200° (ii) 175° (iii) 185° (iv) 180° (v) 170°

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



(i) 3 (ii) 7 (iii) 6 (iv) 5 (v) 8

28. Which of the following is an acute angle?

(i) 261° (ii) 90° (iii) 180° (iv) 0° (v) 44°

29. Which of the following is an obtuse angle?

(i) 131° (ii) 0° (iii) 311° (iv) 81° (v) 360°

30. Which of the following is a right angle?

(i) 180° (ii) 204° (iii) 111° (iv) 90° (v) 77°

31. Which of the following is a straight angle?

(i) 48° (ii) 360° (iii) 180° (iv) 90° (v) 249°

32. Which of the following is a complete angle?

(i) 360° (ii) 180° (iii) 90° (iv) 159° (v) 0°

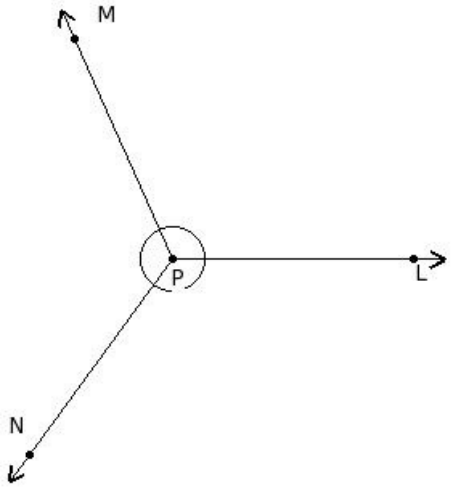
33. Which of the following is a zero angle?

(i) 180° (ii) 0° (iii) 90° (iv) 317° (v) 360°

34. Which of the following is a reflex angle?

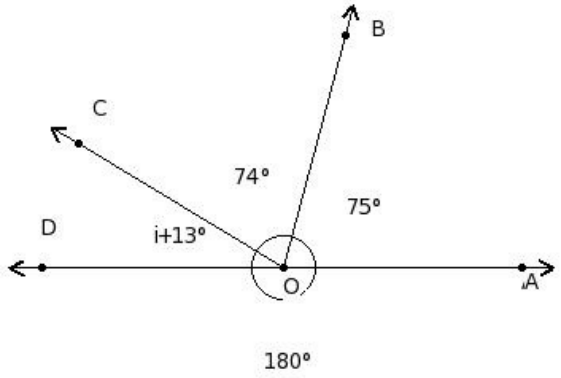
(i) 0° (ii) 205° (iii) 180° (iv) 360° (v) 23°

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



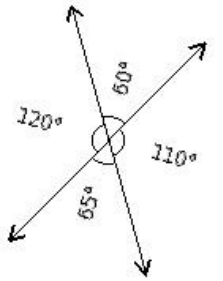
(i) ∠LPM , ∠MPN (ii) ∠MPN , ∠OPP (iii) ∠NPL , ∠PPQ (iv) ∠OPP , ∠MPN (v) ∠PPQ , ∠MPN

36. Find the value of i in the figure below

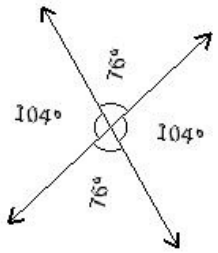


(i) 18 (ii) 15 (iii) 17 (iv) 19 (v) 21

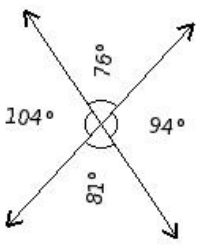
37. Which of the given figures is correct?



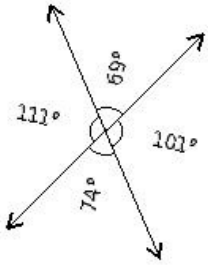
I



II



III



IV

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

38. The complementary angle of 24° is

(i) 76° (ii) 96° (iii) 71° (iv) 66° (v) 81°

39. The supplementary angle of $106°$ is

(i) $84°$ (ii) $79°$ (iii) $74°$ (iv) $104°$ (v) $89°$

40. Find the complementary angles pair in the following

(i) $63°,17°$ (ii) $83°,27°$ (iii) $103°,37°$ (iv) $113°,47°$ (v) $73°,17°$

41. Find the supplementary angles pair in the following

(i) $164°,86°$ (ii) $154°,76°$ (iii) $124°,56°$ (iv) $134°,66°$ (v) $114°,56°$

Assignment Key

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

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