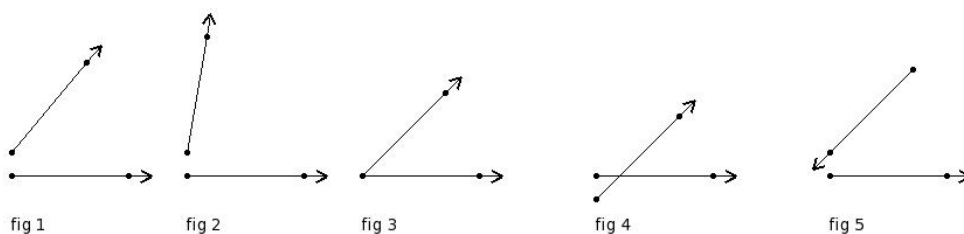


EduSahara™ Learning Center Assignment

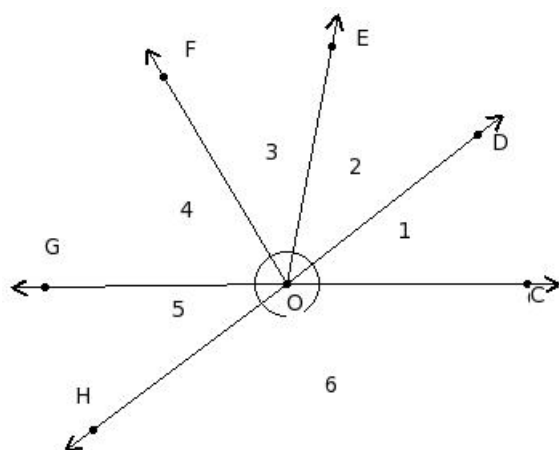
Grade : Class VIII, ICSE
Chapter : Lines and Angles
Name : Angle Concepts
Licensed To : Teachers and Students for non-commercial use

1. Which of the following figures represent an angle?



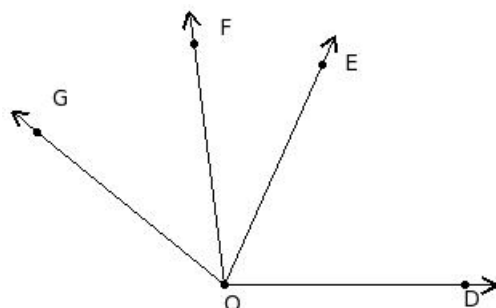
(i) fig 2 (ii) fig 4 (iii) fig 3 (iv) fig 1 (v) fig 5

2. The name of angle 5 in the given figure is



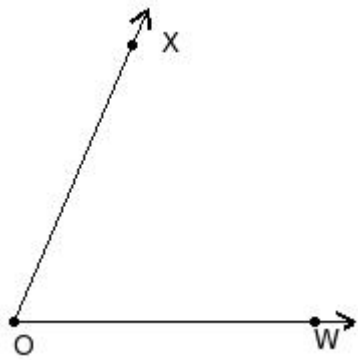
(i) $\angle GOH$ (ii) $\angle DOE$ (iii) $\angle EOF$ (iv) $\angle HOC$ (v) $\angle FOG$

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



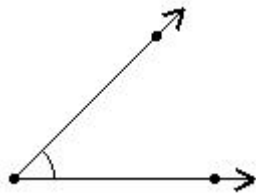
(i) $\angle DOG$ (ii) $\angle DOE$ (iii) $\angle EOG$ (iv) $\angle EOF$ (v) $\angle DOF$

4. The name of the given angle is



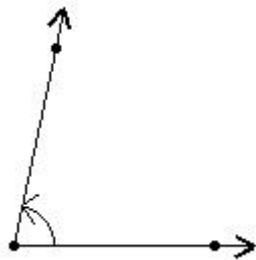
- (i) $\triangle WOX$ (ii) $\angle WOX$ (iii) $\angle WXO$ (iv) $\angle XWO$ (v) $\angle XWO$

5. Identify the figure below



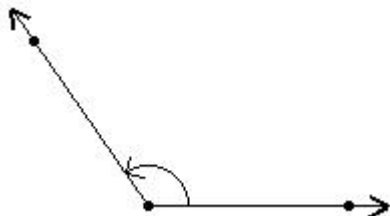
- (i) pentagon (ii) hexagon (iii) octagon (iv) angle (v) decagon

6. The following angle represents



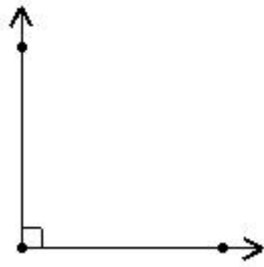
- (i) straight angle (ii) complete angle (iii) reflex angle
(iv) acute angle (v) right angle

7. The following angle represents



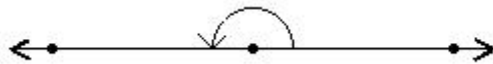
- (i) zero angle (ii) straight angle (iii) obtuse angle
(iv) complete angle (v) reflex angle

8. The following angle represents



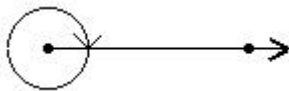
- (i) reflex angle (ii) complete angle (iii) straight angle
(iv) right angle (v) obtuse angle
-

9. The following angle represents



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

10. The following angle represents



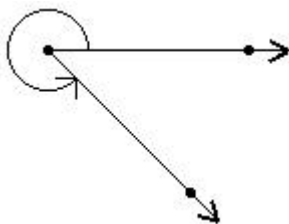
- (i) obtuse angle (ii) complete angle (iii) right angle
(iv) acute angle (v) reflex angle
-

11. The following angle represents



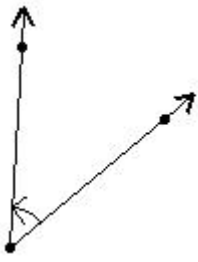
- (i) acute angle (ii) zero angle (iii) reflex angle
(iv) complete angle (v) straight angle
-

12. The following angle represents



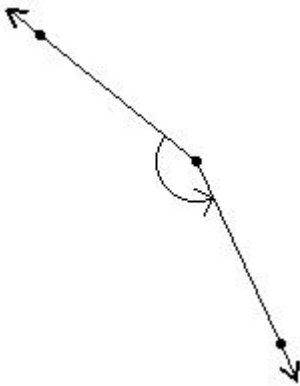
- (i) acute angle (ii) right angle (iii) complete angle
(iv) reflex angle (v) obtuse angle
-

13. The following angle represents



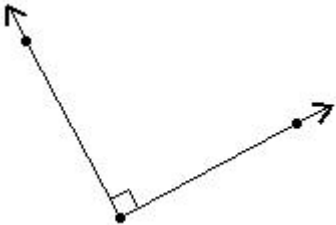
- (i) zero angle (ii) acute angle (iii) right angle
(iv) straight angle (v) reflex angle
-

14. The following angle represents



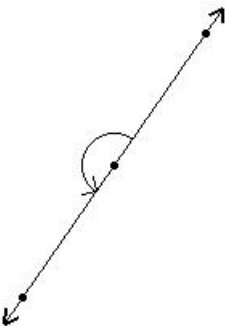
- (i) complete angle (ii) obtuse angle (iii) right angle
(iv) zero angle (v) acute angle
-

15. The following angle represents



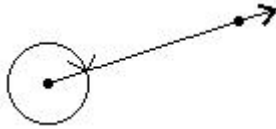
- (i) acute angle (ii) obtuse angle (iii) reflex angle
(iv) right angle (v) zero angle
-

16. The following angle represents



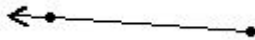
- (i) reflex angle (ii) straight angle (iii) complete angle
(iv) right angle (v) zero angle
-

17. The following angle represents



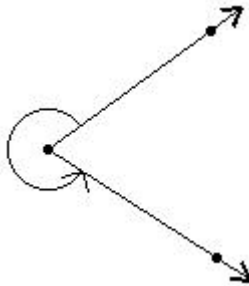
- (i) straight angle (ii) acute angle (iii) reflex angle
(iv) zero angle (v) complete angle
-

18. The following angle represents



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

19. The following angle represents



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

20. The complementary angle of 17° is

- (i) 73° (ii) 78° (iii) 83° (iv) 88° (v) 103°
-

21. The supplementary angle of 47° is

- (i) 143° (ii) 133° (iii) 148° (iv) 138° (v) 163°
-

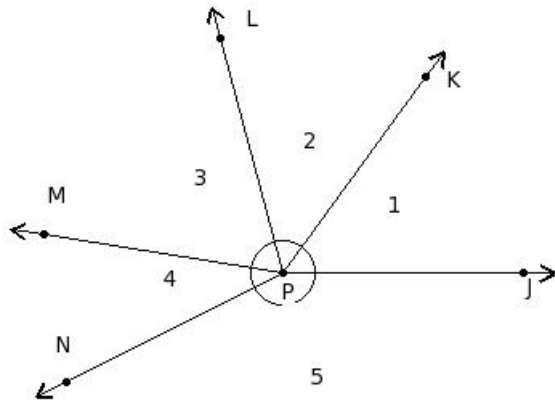
22. Find the complementary angles pair in the following

- (i) $92^\circ, 68^\circ$ (ii) $42^\circ, 38^\circ$ (iii) $62^\circ, 48^\circ$ (iv) $52^\circ, 38^\circ$ (v) $82^\circ, 58^\circ$
-

23. Find the supplementary angles pair in the following

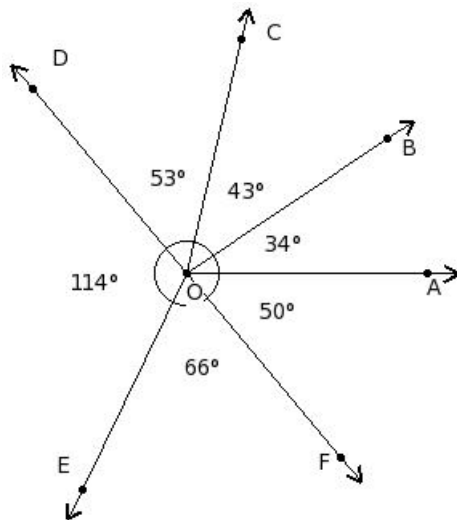
- (i) $66^\circ, 114^\circ$ (ii) $96^\circ, 134^\circ$ (iii) $56^\circ, 114^\circ$ (iv) $76^\circ, 124^\circ$ (v) $106^\circ, 144^\circ$
-

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



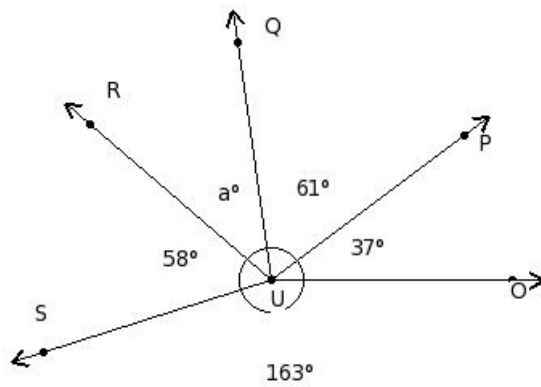
- (i) $\angle MPN$, $\angle KPL$ (ii) $\angle KPL$, $\angle MPN$ (iii) $\angle LPM$, $\angle NPJ$
 (iv) $\angle NPJ$, $\angle KPL$ (v) $\angle JPK$, $\angle KPL$

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



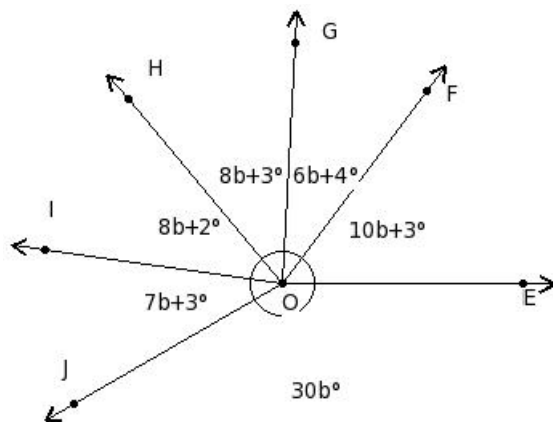
- (i) $(\angle COD, \angle DOE)$ (ii) $(\angle BOC, \angle COD)$
 (iii) $(\angle AOB, \angle BOC)$ (iv) $(\angle EOF, \angle FOA)$
 (v) $(\angle DOE, \angle EOF)$

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



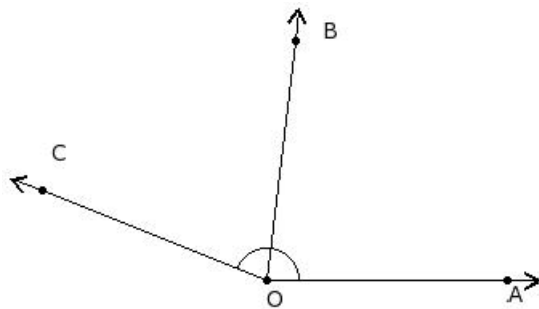
- (i) 56° (ii) 41° (iii) 71° (iv) 51° (v) 46°

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



- (i) 5 (ii) 4 (iii) 2 (iv) 7 (v) 6

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



- (i) $\angle DOE$, $\angle BOC$ (ii) $\angle AOB$, $\angle BOC$ (iii) $\angle BOC$, $\angle DOE$
 (iv) $\angle EOF$, $\angle BOC$ (v) $\angle COA$, $\angle EOF$

29. Find the complementary angle of $57^\circ 1' 51''$

- (i) $32^\circ 58' 9''$ (ii) $42^\circ 58' 9''$ (iii) $33^\circ 8' 9''$ (iv) $32^\circ 58' 19''$
 (v) $17^\circ 48' 9''$

30. Find the supplementary angle of $33^\circ 30' 33''$

- (i) $131^\circ 19' 27''$ (ii) $146^\circ 29' 27''$ (iii) $146^\circ 39' 27''$ (iv) $146^\circ 29' 37''$
(v) $156^\circ 29' 27''$
-

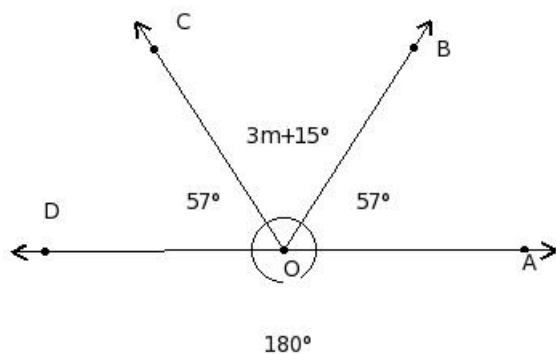
31. Which of the following pairs of angles are complementary?

- (i) $23^\circ 34' 51''$, $66^\circ 35' 9''$
(ii) $23^\circ 44' 51''$, $66^\circ 5' 9''$
(iii) $23^\circ 24' 51''$, $66^\circ 25' 9''$
(iv) $23^\circ 34' 51''$, $66^\circ 25' 9''$
(v) $23^\circ 34' 51''$, $66^\circ 15' 9''$
-

32. Which of the following pairs of angles are supplementary?

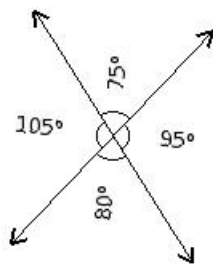
- (i) $140^\circ 7' 22''$, $39^\circ 42' 38''$
(ii) $139^\circ 57' 22''$, $40^\circ 2' 38''$
(iii) $139^\circ 57' 22''$, $40^\circ 12' 38''$
(iv) $139^\circ 57' 22''$, $39^\circ 52' 38''$
(v) $139^\circ 47' 22''$, $40^\circ 2' 38''$
-

33. Find the value of m in the figure below

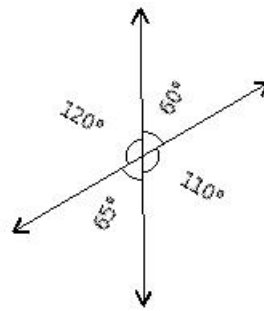


- (i) 18 (ii) 17 (iii) 16 (iv) 14 (v) 20
-

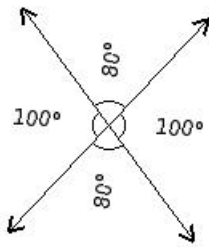
34. Which of the given figures is correct?



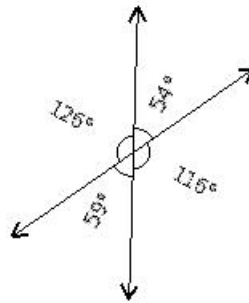
I



II



III



IV

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

35. Which of the following is an acute angle?

(i) 90° (ii) 0° (iii) 63° (iv) 180° (v) 360°

36. Which of the following is an obtuse angle?

(i) 90° (ii) 0° (iii) 112° (iv) 43° (v) 238°

37. Which of the following is a right angle?

(i) 180° (ii) 55° (iii) 332° (iv) 90° (v) 159°

38. Which of the following is a straight angle?

(i) 127° (ii) 180° (iii) 33° (iv) 360° (v) 323°

39. Which of the following is a complete angle?

(i) 156° (ii) 360° (iii) 90° (iv) 0° (v) 180°

40. Which of the following is a zero angle?

(i) 180° (ii) 360° (iii) 140° (iv) 90° (v) 0°

41. Which of the following is a reflex angle?

(i) 90° (ii) 0° (iii) 180° (iv) 233° (v) 51°

Assignment Key

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

40) (v)

41) (iv)