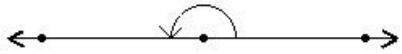
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Lines and Angles

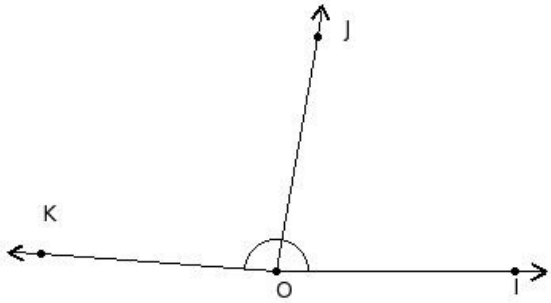
Grade : SSC Grade VII

1. The following angle represents



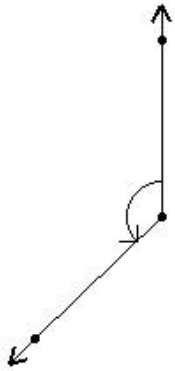
(i) straight angle (ii) complete angle (iii) zero angle (iv) acute angle (v) right angle

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



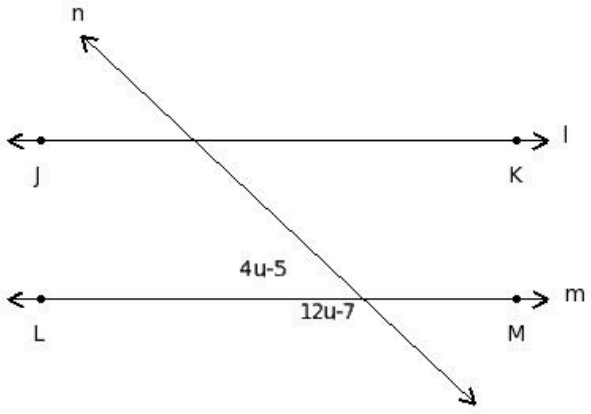
(i) ∠JOK , ∠LOM (ii) ∠LOM , ∠JOK (iii) ∠IOJ , ∠JOK (iv) ∠MON , ∠JOK (v) ∠KOI , ∠MON

3. The following angle represents



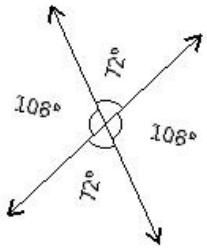
(i) obtuse angle (ii) right angle (iii) straight angle (iv) acute angle (v) complete angle

4. In the given figure l ‖ m. Find the value of 'u'

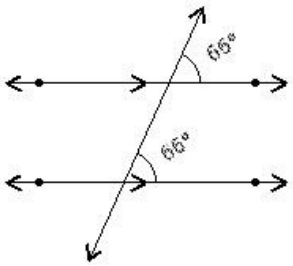


(i) 13 (ii) 12 (iii) 9 (iv) 15 (v) 11

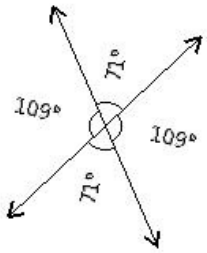
5. Which of the given figures is wrong?



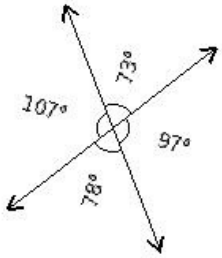
I



II



III



IV

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

6. Consider the following figure $\overleftrightarrow{JC}$. State which of the following statements are true?

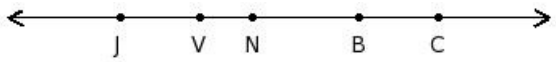
a) J,V,N,C,B are points on the line
$\overleftrightarrow{JC}$

b) N,B are end points of line segment
$\overline{BJ}$

c) J,C are points on the line segment
$\overline{VB}$

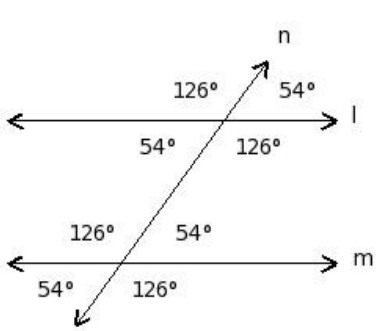
d) J,C are end points of line segment
$\overline{VB}$

e) J,C are end points of line segment
$\overline{JC}$

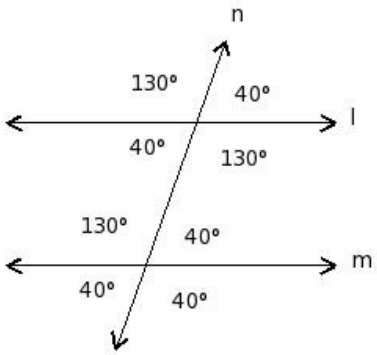


(i) {d,b,a} (ii) {c,e} (iii) {c,e,a} (iv) {a,e} (v) {b,a}

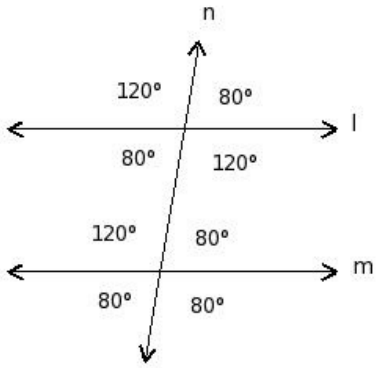
7. If l ∥ m, which of the given figures is correct?



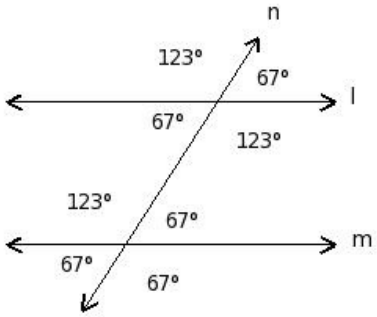
I



II



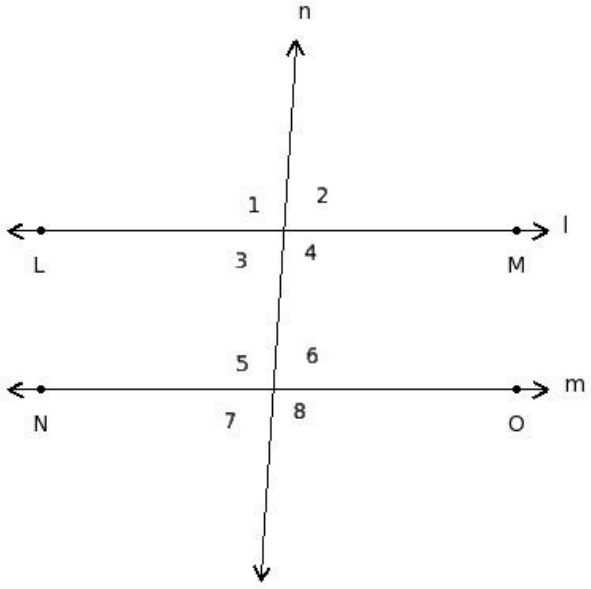
III



IV

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

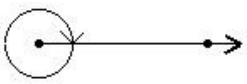
8. Find the co-interior angles in the given figure



(i) ∠3 , ∠6 ; ∠4 , ∠5 (ii) ∠1 , ∠2 ; ∠2 , ∠4 ; ∠4 , ∠3 ; ∠3 , ∠1 ; ∠5 , ∠6 ; ∠6 , ∠8 ; ∠8 , ∠7 ; ∠7 , ∠5

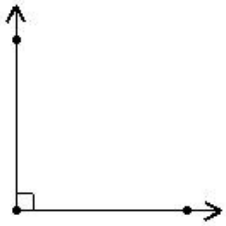
(iii) ∠3 , ∠5 ; ∠4 , ∠6 (iv) ∠1 , ∠5 ; ∠2 , ∠6 ; ∠3 , ∠7 ; ∠4 , ∠8 (v) ∠1 , ∠2 , ∠7 , ∠8

9. The following angle represents



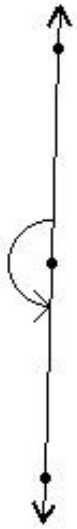
(i) straight angle (ii) obtuse angle (iii) zero angle (iv) complete angle (v) acute angle

10. The following angle represents



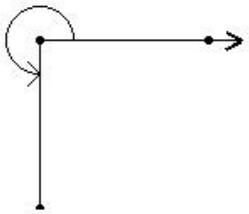
(i) obtuse angle (ii) acute angle (iii) reflex angle (iv) right angle (v) zero angle

11. The following angle represents



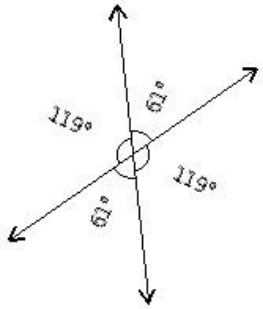
(i) complete angle (ii) zero angle (iii) right angle (iv) obtuse angle (v) straight angle

12. The following angle represents

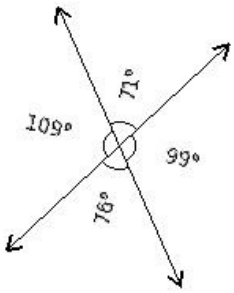


(i) zero angle (ii) reflex angle (iii) complete angle (iv) obtuse angle (v) right angle

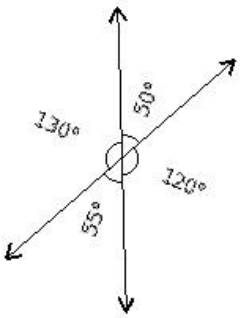
13. Which of the given figures is correct?



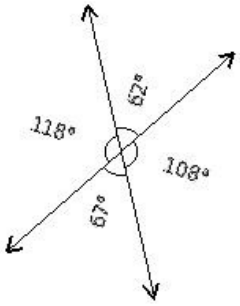
I



II



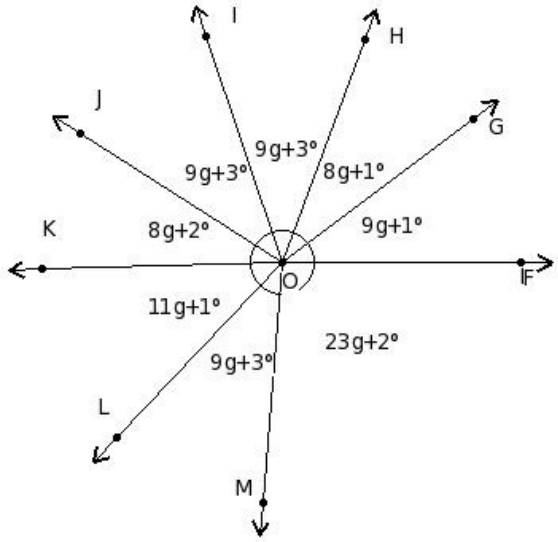
III



IV

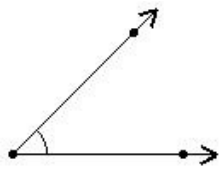
(i) IV (ii) II (iii) I (iv) III

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



(i) 2 (ii) 4 (iii) 3 (iv) 7 (v) 5

15. Identify the figure below



(i) quadrilateral (ii) decagon (iii) heptagon (iv) angle (v) hexagon

16. Which of the following figures represent a line?

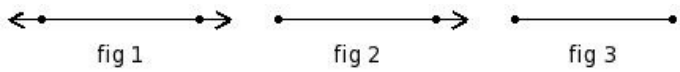


fig 1 fig 2 fig 3

(i) fig 2 (ii) fig 1 (iii) fig 3

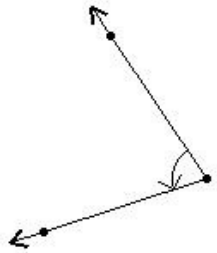
17. Multiple lines drawn on a plane are called

(i) concurrent lines (ii) parallel lines (iii) perpendicular lines (iv) coplanar lines (v) intersecting lines

18. Points lying on the same line are called

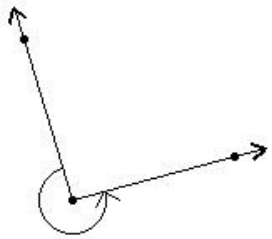
(i) non-linear points (ii) semi-linear points (iii) concurrent points (iv) collinear points (v) linear points

19. The following angle represents



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

20. The following angle represents



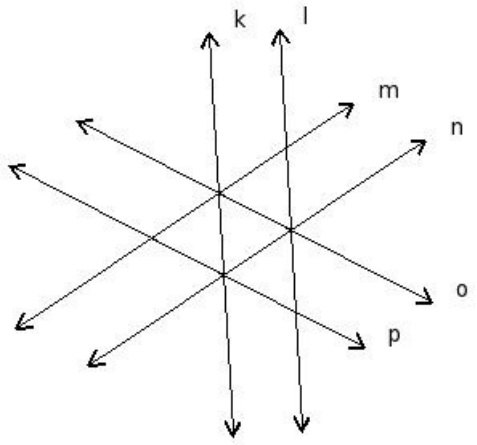
(i) straight angle (ii) obtuse angle (iii) acute angle (iv) reflex angle (v) complete angle

21. The representation $\overrightarrow{HI}$ indicates

(i) line segment (ii) arc (iii) ray (iv) angle (v) line

22. In the given figure, k , l , m , n , o , p are lines in a plane. By looking at the figure, which of the following are true?

a) $k \parallel n$
b) k is the transversal of m & o
c) $k \parallel l$
d) o is the transversal of m & n
e) p is the transversal of m & k
f) n is the transversal of k & l

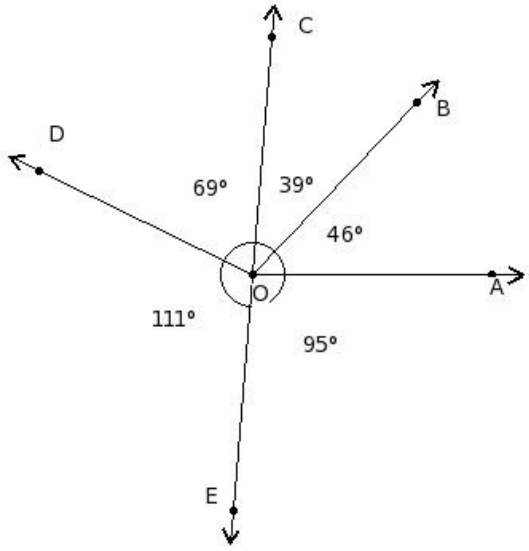


(i) {a,c} (ii) {a,f,c} (iii) {c,d,e,f} (iv) {a,b,e} (v) {b,d}

23. The complementary angle of 17° is

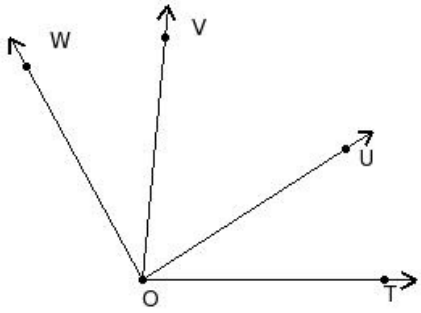
(i) 83° (ii) 78° (iii) 88° (iv) 103° (v) 73°

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



(i) (∠DOE,∠EOA) (ii) (∠COD,∠DOE) (iii) (∠AOB,∠BOC) (iv) (∠BOC,∠COD)

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



(i) ∠UOW (ii) ∠TOV (iii) ∠UOV (iv) ∠TOU (v) ∠TOW

Assignment Key

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