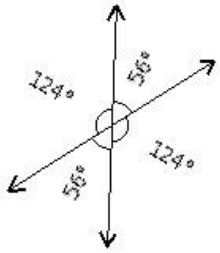
EduSahara™ Worksheet

Name : Chapter Based Worksheet

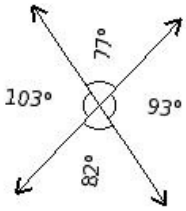
Chapter : Lines and Angles

Grade : ICSE Grade VII

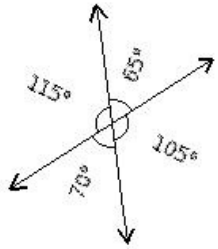
1. Which of the given figures is correct?



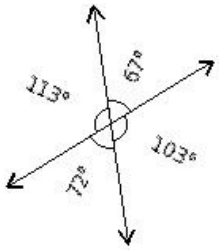
I



II



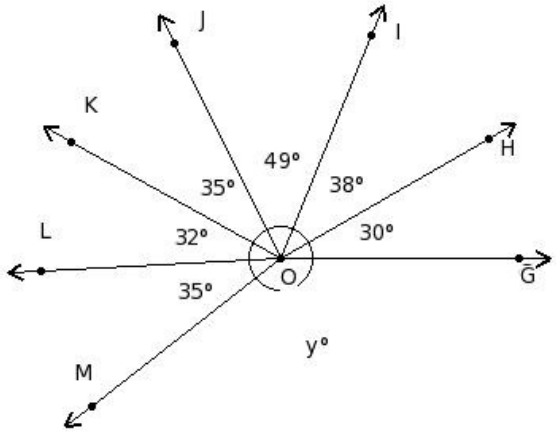
III



IV

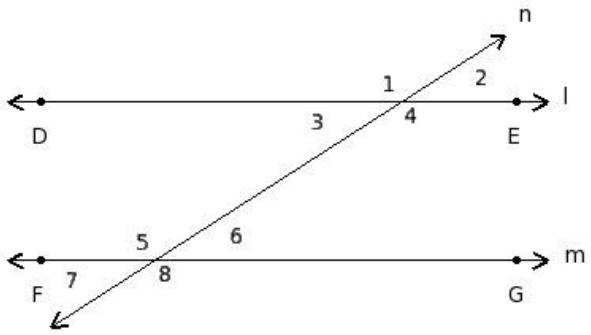
(i) III (ii) IV (iii) II (iv) I

2. Find the value of 'y' in the following figure



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

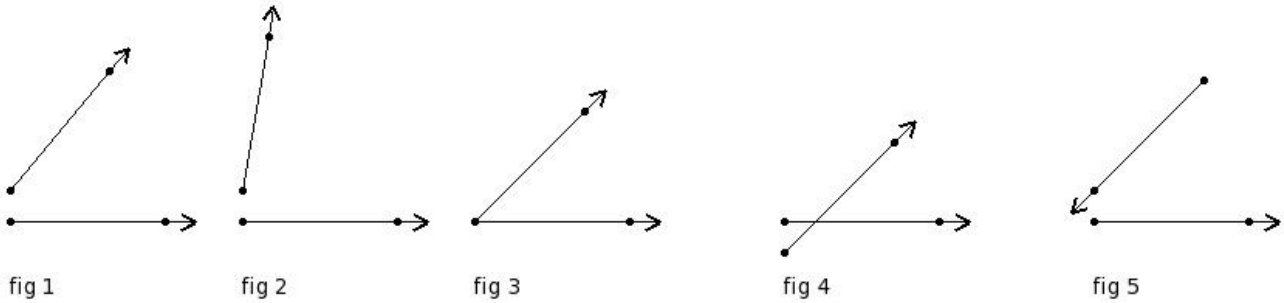
3. Find the corresponding angles in the given figure



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

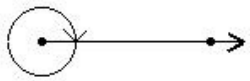
(iv) ∠1 , ∠4 ; ∠2 , ∠3 ; ∠5 , ∠8 ; ∠6 , ∠7 (v) ∠3 , ∠6 ; ∠4 , ∠5

4. Which of the following figures represent an angle?



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

5. The following angle represents

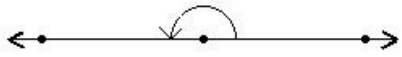


(i) acute angle (ii) obtuse angle (iii) complete angle (iv) straight angle (v) zero angle

6. Where will the hour hand of a clock stop, if it starts from 10 and makes $\frac{1}{12}$ of a revolution clockwise?

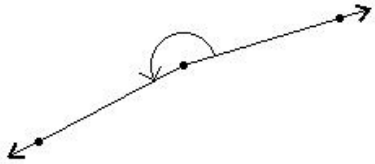
(i) 9 (ii) 12 (iii) 10 (iv) 11 (v) 14

7. The following angle represents



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

8. The following angle represents

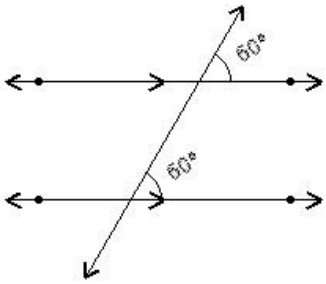


(i) right angle (ii) reflex angle (iii) zero angle (iv) straight angle (v) acute angle

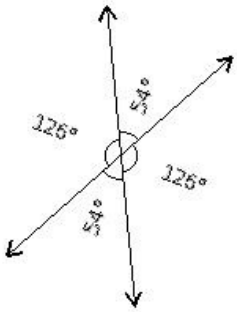
9. The following angle represents

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

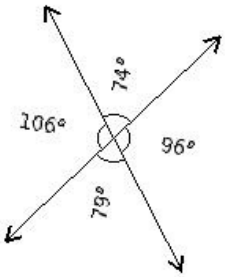
10. Which of the given figures is wrong?



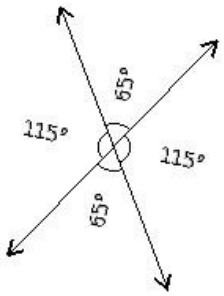
I



II



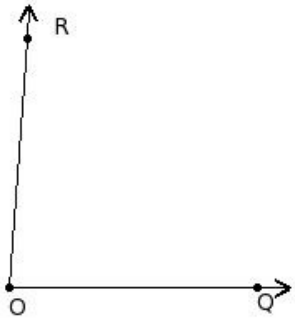
III



IV

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

11. The name of the given angle is

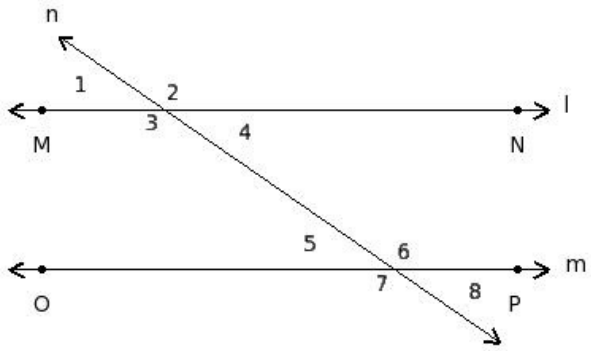


(i) ∠RQO (ii) ∠QRO (iii) ∠QR (iv) ∠QOR (v) △QOR

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

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

13. Find the adjacent angles in the given figure



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

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

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

14. Which of the following is a complete angle?

(i) 143° (ii) 207° (iii) 180° (iv) 360° (v) 69°

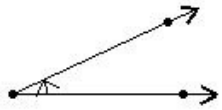
15. The following lines represent

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

16. A line that intersects two lines at two different points is called

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

17. The following angle represents



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

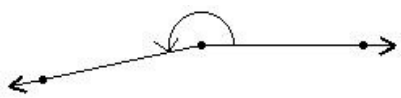
18. The complementary angle of 65° is

(i) 55° (ii) 30° (iii) 40° (iv) 25° (v) 35°

19. Find the number of right angles covered by the hour hand of clock when it goes from 3 to 8

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

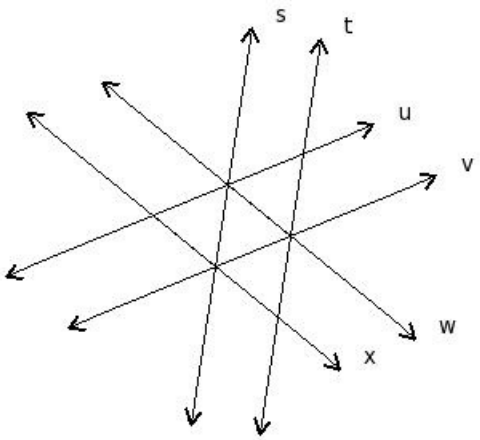
20. The following angle represents



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

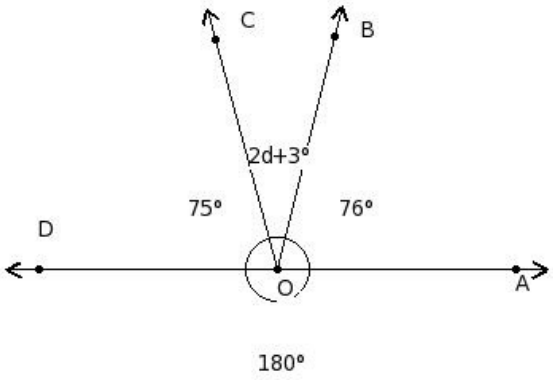
21. In the given figure, s , t , u , v , w , x are lines in a plane. By looking at the figure, which of the following are true?

a) w is the transversal of u & v
b) s ∥ v
c) s is the transversal of u & w
d) s ∥ t
e) v is the transversal of s & t
f) x is the transversal of u & s



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

22. Find the value of d in the figure below



(i) 12 (ii) 14 (iii) 13 (iv) 11 (v) 16

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

(i) 92° 57' 43",86° 52' 17" (ii) 92° 47' 43",87° 12' 17" (iii) 92° 37' 43",87° 12' 17"

(iv) 92° 47' 43",87° 2' 17" (v) 92° 47' 43",87° 22' 17"

24. Multiple lines drawn on a plane are called

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

25. Points lying on the same line are called

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

Assignment Key

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