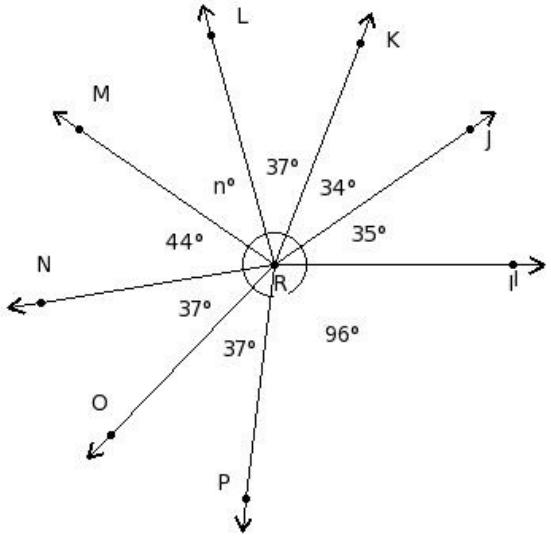
EduSahara™ Assignment

Name : Angle Value Problems

Chapter : Angles

Grade : ICSE Grade VI

1. Find the value of 'n' in the following figure



(i) 40° (ii) 45° (iii) 55° (iv) 50° (v) 70°

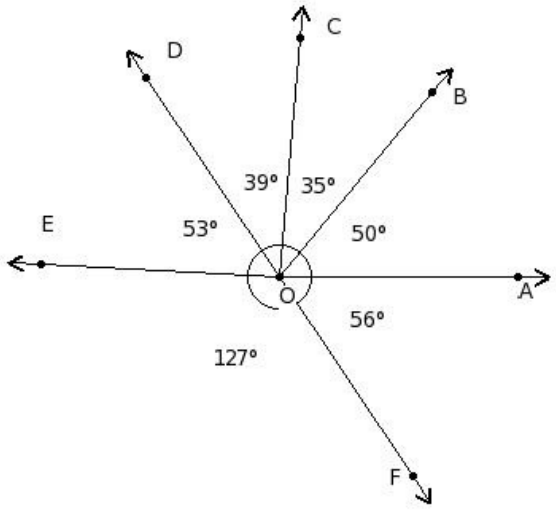
2. The complementary angle of 48° is

(i) 47° (ii) 57° (iii) 42° (iv) 72° (v) 52°

3. The supplementary angle of 80° is

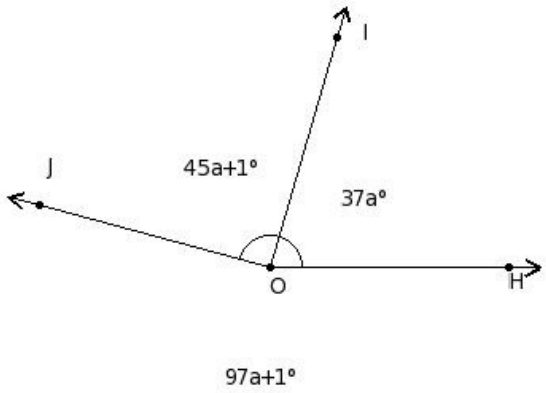
(i) 110° (ii) 105° (iii) 130° (iv) 100° (v) 115°

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



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

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



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

6. Which of the following is an acute angle?

(i) 0° (ii) 107° (iii) 90° (iv) 89° (v) 180°

7. Which of the following is an obtuse angle?

(i) 137° (ii) 180° (iii) 58° (iv) 0° (v) 90°

8. Which of the following is a right angle?

(i) 180° (ii) 360° (iii) 90° (iv) 324° (v) 108°

9. Which of the following is a straight angle?

(i) 360° (ii) 122° (iii) 180° (iv) 21° (v) 251°

10. Which of the following is a complete angle?

(i) 44° (ii) 293° (iii) 115° (iv) 360° (v) 180°

11. Which of the following is a zero angle?

(i) 336° (ii) 0° (iii) 163° (iv) 180° (v) 360°

12. Which of the following is a reflex angle?

(i) 206° (ii) 180° (iii) 0° (iv) 360° (v) 90°

13. Add 13° 26' 17" and 12° 10' 13"

(i) 10° 26' 30" (ii) 25° 46' 30" (iii) 25° 36' 30" (iv) 35° 36' 30" (v) 25° 36' 40"

14. Subtract 15° 3' 13" from 50° 32' 55"

(i) 35° 29' 42" (ii) 20° 19' 42" (iii) 35° 29' 52" (iv) 35° 39' 42" (v) 45° 29' 42"

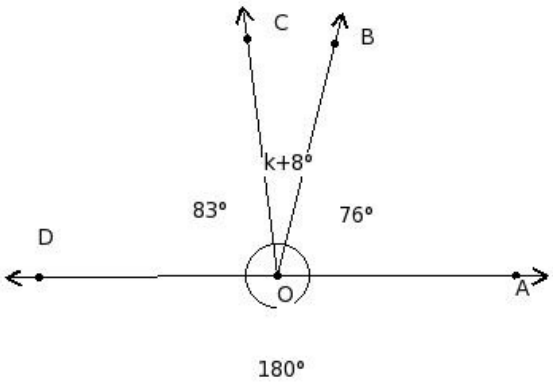
15. Find the complementary angle of 80° 56' 13"

(i) 9° 3' 47" (ii) 19° 3' 47" (iii) 9° 3' 57" (iv) 6° 6' 13" (v) 9° 13' 47"

16. Find the supplementary angle of 45° 36"

(i) 134° 59' 24" (ii) 144° 59' 24" (iii) 119° 49' 24" (iv) 135° 9' 24" (v) 134° 59' 34"

17. Find the value of k in the figure below



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

Assignment Key

1) (i)	2) (iii)	3) (iv)	4) (i)	5) (iii)	6) (iv)
7) (i)	8) (iii)	9) (iii)	10) (iv)	11) (ii)	12) (i)
13) (iii)	14) (i)	15) (i)	16) (i)	17) (v)	