EduSahara™ Assignment

Name : Pairs of Related Angles

Chapter : Angles

Grade : ICSE Grade VI

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1. The complementary angle of $45°$ is

   (i) $45°$ (ii) $55°$ (iii) $75°$ (iv) $50°$ (v) $60°$

2. The supplementary angle of $154°$ is

   (i) $26°$ (ii) $56°$ (iii) $41°$ (iv) $31°$ (v) $36°$

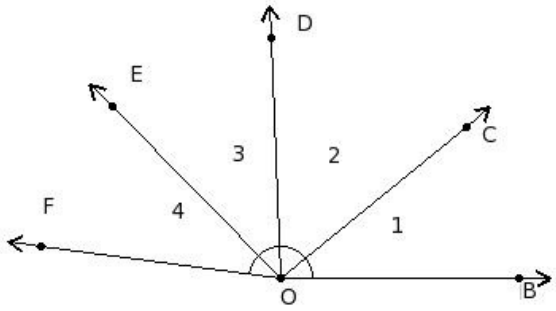
3. Find the complementary angles pair in the following

   (i) $47°,43°$ (ii) $57°,53°$ (iii) $37°,43°$ (iv) $87°,73°$ (v) $77°,63°$

4. Find the supplementary angles pair in the following

   (i) $73°,177°$ (ii) $23°,147°$ (iii) $63°,167°$ (iv) $33°,147°$ (v) $43°,157°$

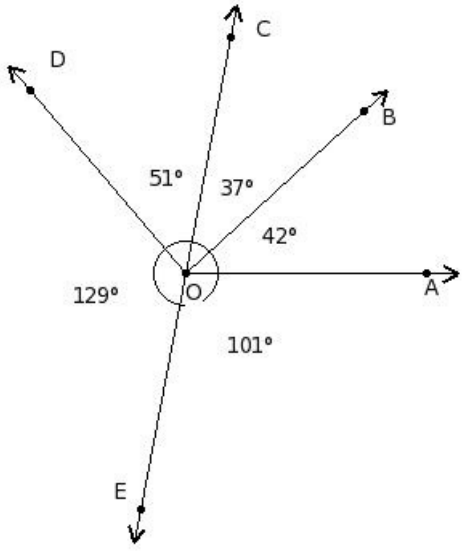
5. Which of the following are adjacent angles in the below figure?



5

   (i) $\angle EOF$, $\angle COD$ (ii) $\angle COD$, $\angle EOF$ (iii) $\angle FOB$, $\angle COD$ (iv) $\angle BOC$, $\angle COD$ (v) $\angle DOE$, $\angle FOB$

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



   (i) $(\angle AOB,\angle BOC)$ (ii) $(\angle BOC,\angle COD)$ (iii) $(\angle COD,\angle DOE)$ (iv) $(\angle DOE,\angle EOA)$

7. Find the complementary angle of $52°\ 38'\ 32''$

   (i) $37°\ 21'\ 28''$ (ii) $47°\ 21'\ 28''$ (iii) $22°\ 11'\ 28''$ (iv) $37°\ 21'\ 38''$ (v) $37°\ 31'\ 28''$

8. Find the supplementary angle of $68° 58' 1"$

(i) $111° 1' 59"$ (ii) $111° 2' 9"$ (iii) $111° 11' 59"$ (iv) $121° 1' 59"$ (v) $95° 51' 59"$

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

(i) $76° 1' 26", 14° 8' 34"$ (ii) $76° 11' 26", 13° 38' 34"$ (iii) $76° 1' 26", 13° 48' 34"$ (iv) $76° 1' 26", 13° 58' 34"$

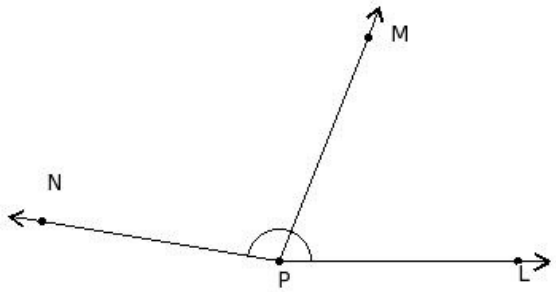
(v) $75° 51' 26", 13° 58' 34"$

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

(i) $136° 56' 38", 42° 53' 22"$ (ii) $136° 46' 38", 43° 23' 22"$ (iii) $136° 46' 38", 43° 13' 22"$

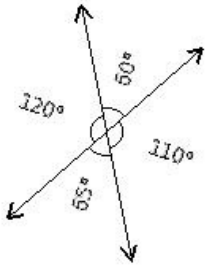
(iv) $136° 36' 38", 43° 13' 22"$ (v) $136° 46' 38", 43° 3' 22"$

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

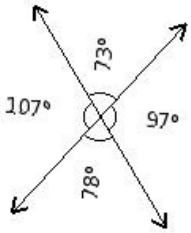


(i) $\angle NPL , \angle PPQ$ (ii) $\angle MPN , \angle OPP$ (iii) $\angle LPM , \angle MPN$ (iv) $\angle OPP , \angle MPN$ (v) $\angle PPQ , \angle MPN$

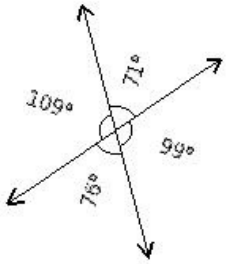
12. Which of the given figures is correct?



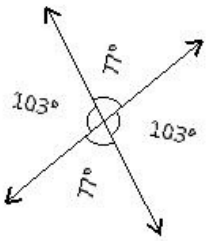
I



II



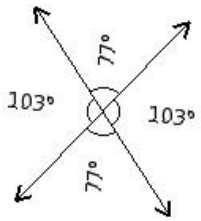
III



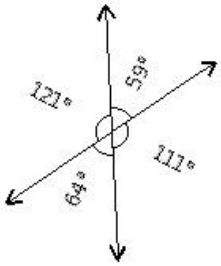
IV

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

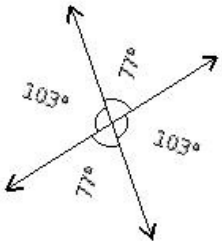
13. Which of the given figures is wrong?



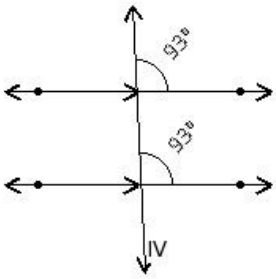
I



II



III



IV

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

Assignment Key

1) (i)	2) (i)	3) (i)	4) (iv)	5) (iv)	6) (iii)
7) (i)	8) (i)	9) (iv)	10) (iii)	11) (iii)	12) (i)
13) (i)					

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