

EduSahara™ Learning Center Assignment**Grade : Class VI, ICSE****Chapter : Angles****Name : Pairs of Related Angles****Licensed To : Teachers and Students for non-commercial use**

1. The complementary angle of 78° is

(i) 27° (ii) 12° (iii) 22° (iv) 17° (v) 42°

2. The supplementary angle of 106° is

(i) 89° (ii) 84° (iii) 74° (iv) 104° (v) 79°

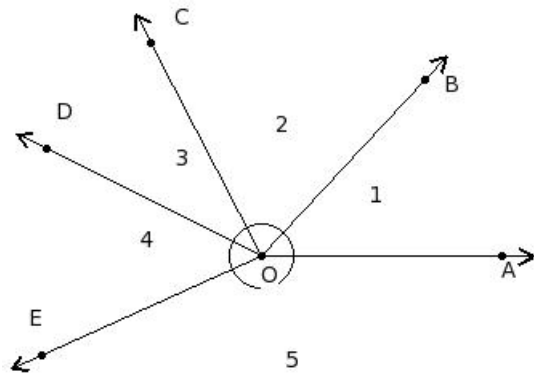
3. Find the complementary angles pair in the following

(i) $83^\circ, 7^\circ$ (ii) $73^\circ, 7^\circ$ (iii) $93^\circ, 17^\circ$ (iv) $123^\circ, 37^\circ$ (v) $113^\circ, 27^\circ$

4. Find the supplementary angles pair in the following

(i) $132^\circ, 38^\circ$ (ii) $152^\circ, 48^\circ$ (iii) $172^\circ, 58^\circ$ (iv) $142^\circ, 38^\circ$ (v) $182^\circ, 68^\circ$

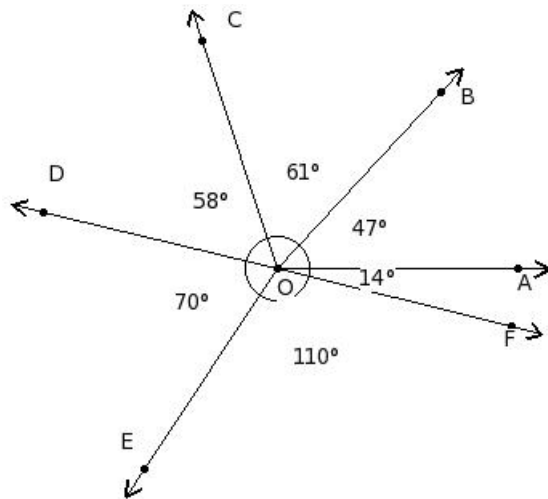
5. Which of the following are adjacent angles in the below figure?



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

(iv) $\angle COD$, $\angle EOA$ (v) $\angle EOA$, $\angle BOC$

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



- (i) $(\angle AOB, \angle BOC)$ (ii) $(\angle EOF, \angle FOA)$
 (iii) $(\angle DOE, \angle EOF)$ (iv) $(\angle COD, \angle DOE)$
 (v) $(\angle BOC, \angle COD)$
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7. Find the complementary angle of $61^\circ 44' 54''$

- (i) $28^\circ 25' 6''$ (ii) $13^\circ 5' 6''$ (iii) $28^\circ 15' 16''$ (iv) $28^\circ 15' 6''$
 (v) $38^\circ 15' 6''$
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8. Find the supplementary angle of $39^\circ 41' 26''$

- (i) $140^\circ 28' 34''$ (ii) $140^\circ 18' 34''$ (iii) $150^\circ 18' 34''$ (iv) $140^\circ 18' 44''$
 (v) $125^\circ 8' 34''$
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9. Which of the following pairs of angles are complementary?

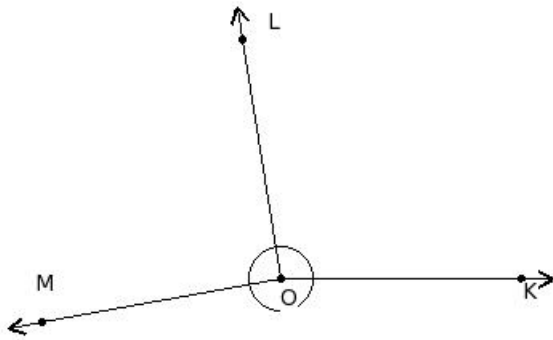
- (i) $56^\circ 51' 10''$, $32^\circ 58' 50''$
 (ii) $57^\circ 1' 10''$, $32^\circ 58' 50''$
 (iii) $57^\circ 1' 10''$, $32^\circ 48' 50''$
 (iv) $57^\circ 1' 10''$, $33^\circ 8' 50''$
 (v) $57^\circ 11' 10''$, $32^\circ 38' 50''$
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10. Which of the following pairs of angles are supplementary?

- (i) $84^\circ 2' 44''$, $95^\circ 47' 16''$

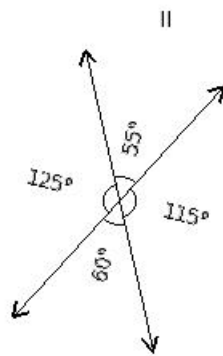
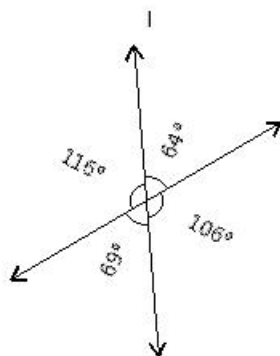
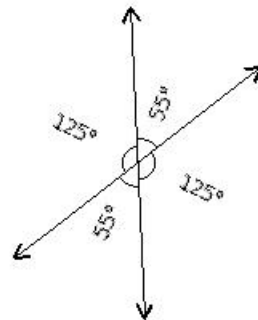
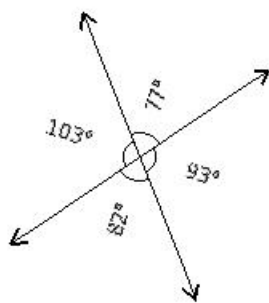
- (ii) $84^{\circ} 2' 44''$, $96^{\circ} 7' 16''$
 (iii) $83^{\circ} 52' 44''$, $95^{\circ} 57' 16''$
 (iv) $84^{\circ} 12' 44''$, $95^{\circ} 37' 16''$
 (v) $84^{\circ} 2' 44''$, $95^{\circ} 57' 16''$

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



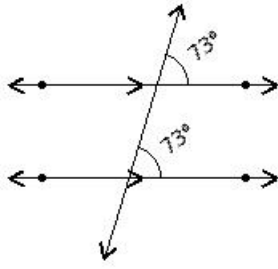
- (i) $\angle KOL$, $\angle LOM$ (ii) $\angle OOP$, $\angle LOM$ (iii) $\angle NOO$, $\angle LOM$
 (iv) $\angle MOK$, $\angle OOP$ (v) $\angle LOM$, $\angle NOO$

12. Which of the given figures is correct?

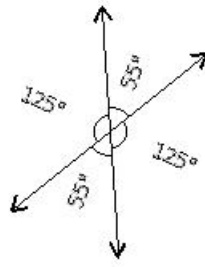


- (i) IV (ii) III (iii) II (iv) I

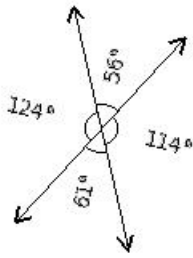
13. Which of the given figures is wrong?



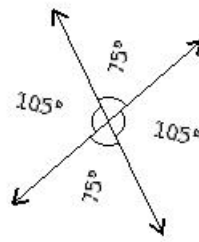
I



II



III



IV

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

Assignment Key

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