EduSahara™ Assignment

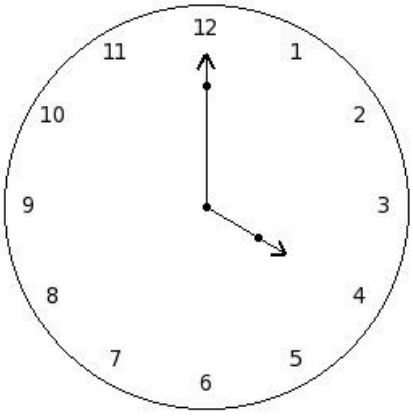
Name : Angle Problems

Chapter : Measures of Lines and Angles

Grade : SSC Grade VI

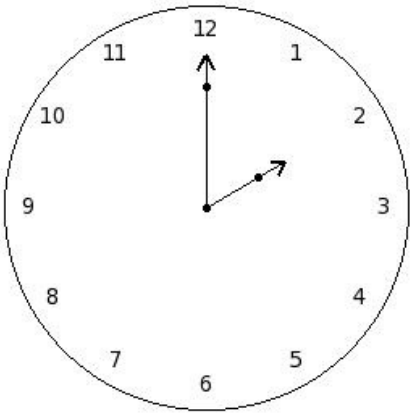
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1. State the angle between the two hands of the clock when the time is 4 A.M.



(i) 150° (ii) 135° (iii) 125° (iv) 120° (v) 130°

2. State the type of angle between the two hands of the clock when the time is 2 A.M.



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

3. What fraction of clockwise revolution does the hour hand of a clock covers, when it goes from 5 to 2?

(i) $\frac{3}{4}$ (ii) $\frac{3}{2}$ (iii) $\frac{1}{4}$ (iv) $\frac{1}{2}$ (v) $\frac{5}{4}$

4. Find the number of right angles covered by the hour hand of clock when it goes from 8 to 11

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

5. The complementary angle of $23°$ is

(i) 97° (ii) 77° (iii) 72° (iv) 82° (v) 67°

6. The supplementary angle of $177°$ is

(i) 3° (ii) 8° (iii) 18° (iv) 33° (v) 13°

7. Find the complementary angles pair in the following

(i) 86°,24° (ii) 76°,14° (iii) 116°,44° (iv) 106°,34° (v) 66°,14°

8. Find the supplementary angles pair in the following

(i) 156°,94° (ii) 126°,74° (iii) 116°,64° (iv) 146°,84° (v) 106°,64°

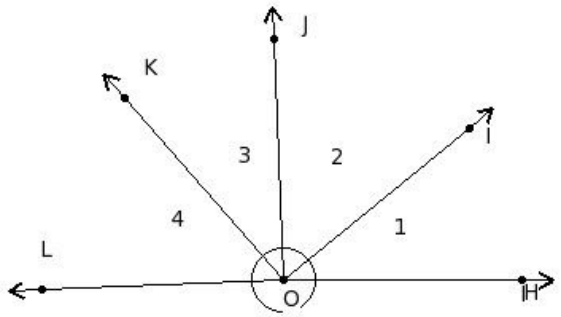
9. Where will the hour hand of a clock stop, if it starts from 6 and makes $\frac{3}{4}$ of a revolution clockwise?

(i) 4 (ii) 2 (iii) 6 (iv) 3 (v) 0

10. Where will the hour hand of a clock stop, if it starts from 8 and turns through 3 right angles?

(i) 7 (ii) 5 (iii) 3 (iv) 6 (v) 4

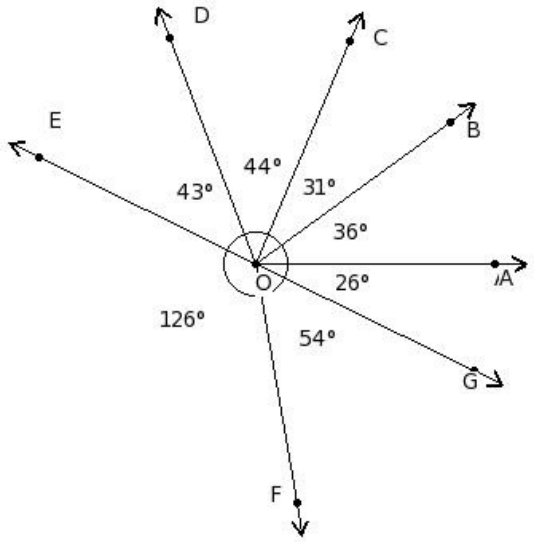
11. Which of the following are adjacent angles in the below figure?



5

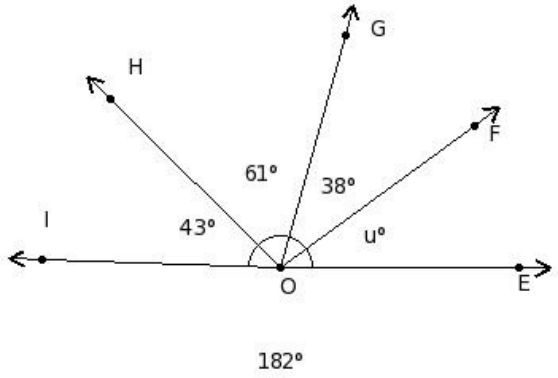
(i) ∠JOK , ∠LOH (ii) ∠LOH , ∠IOJ (iii) ∠KOL , ∠IOJ (iv) ∠HOI , ∠IOJ (v) ∠IOJ , ∠KOL

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



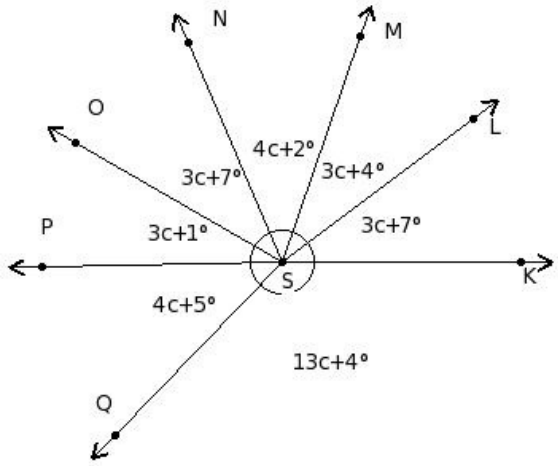
(i) (∠DOE,∠EOF) (ii) (∠EOF,∠FOG) (iii) (∠BOC,∠COD) (iv) (∠FOG,∠GOA) (v) (∠COD,∠DOE)

13. Find the value of 'u' in the following figure



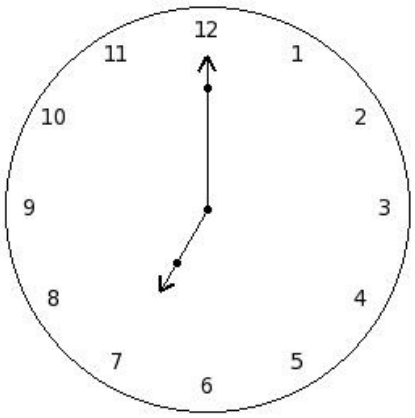
(i) 41° (ii) 46° (iii) 51° (iv) 36° (v) 66°

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



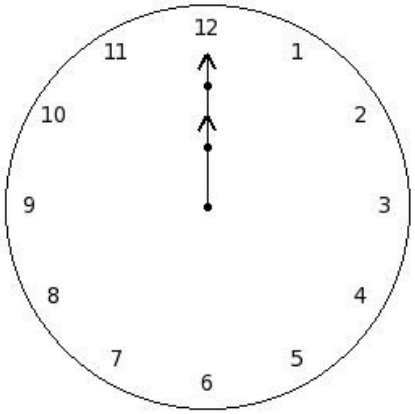
(i) 11 (ii) 13 (iii) 8 (iv) 9 (v) 10

15. State the angle between the two hands of the clock when the time is 7 A.M.



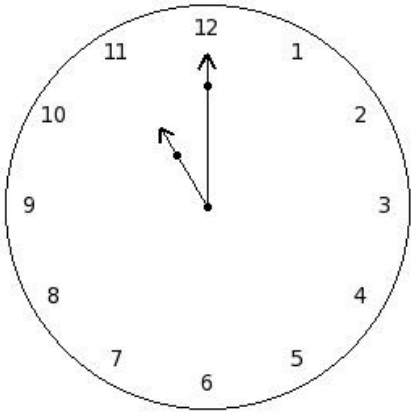
(i) 180° (ii) 155° (iii) 160° (iv) 165° (v) 150°

16. State the angle between the two hands of the clock when the time is 12 A.M.



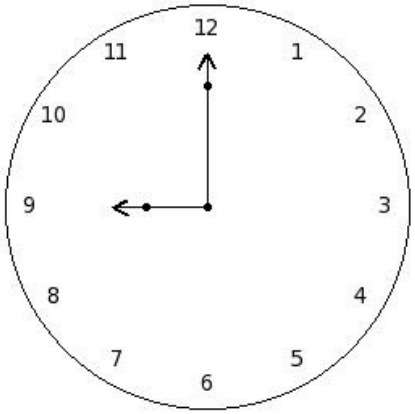
(i) 5° (ii) 15° (iii) 10° (iv) 0° (v) 30°

17. State the type of angle between the two hands of the clock when the time is 11 A.M.



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

18. State the type of angle between the two hands of the clock when the time is 9 A.M.



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

19. What fraction of clockwise revolution does the hour hand of a clock covers, when it goes from 11 to 9?

(i) $\frac{5}{6}$ (ii) $\frac{5}{8}$ (iii) $\frac{1}{2}$ (iv) $\frac{5}{4}$ (v) $\frac{7}{6}$

20. Find the number of right angles covered by the hour hand of clock when it goes from 9 to 4

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

21. The complementary angle of 72° is

(i) 23° (ii) 18° (iii) 48° (iv) 28° (v) 33°

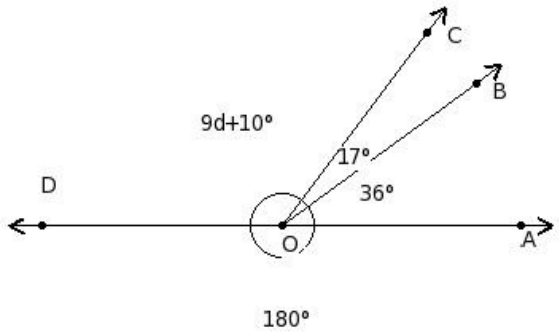
22. The supplementary angle of $87°$ is

(i) $123°$ (ii) $108°$ (iii) $98°$ (iv) $103°$ (v) $93°$

23. Find the complementary angles pair in the following

(i) $39°,71°$ (ii) $29°,61°$ (iii) $19°,61°$ (iv) $69°,91°$ (v) $59°,81°$

24. Find the value of d in the figure below



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

Assignment Key

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

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