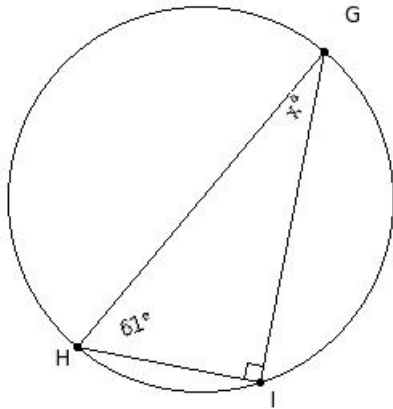


EduSahara™ Learning Center Assignment

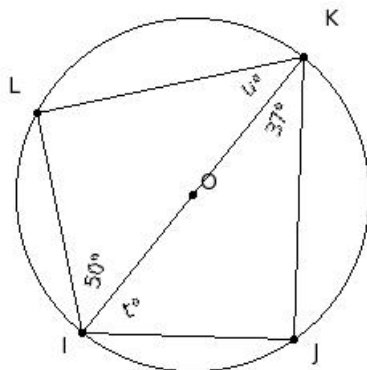
Grade : Class VIII, ICSE
Chapter : Circle
Name : Angle in a Semi-circle
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1. Find the missing angle in the following figure?



- (i) 39° (ii) 59° (iii) 34° (iv) 44° (v) 29°
-

2. O is the centre of the circle. If $\angle IKJ = 37^\circ$ and $\angle KIL = 50^\circ$, find t° , u°



- (i) $70^\circ, 73^\circ$ (ii) $50^\circ, 63^\circ$ (iii) $30^\circ, 53^\circ$ (iv) $53^\circ, 40^\circ$ (v) $40^\circ, 53^\circ$
-

3. An arc subtends 90° in its alternate segment. The arc is

- (i) quadrant
 - (ii) major segment
 - (iii) minor arc
 - (iv) semi-circle
 - (v) minor segment
-

4. The angle subtended by the semicircle at the centre is

- (i) 180° (ii) 210° (iii) 185° (iv) 190° (v) 195°

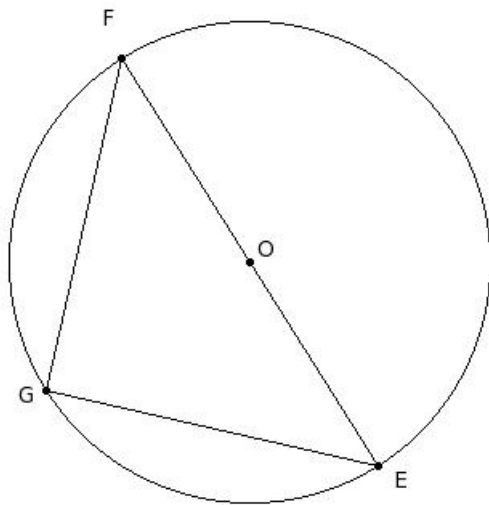
5. The angle subtended by the diameter at any point on the circle is

- (i) 105° (ii) 120° (iii) 100° (iv) 95° (v) 90°
-

6. If the radius of the circumcircle is half the length of a side of the triangle, then the triangle is

- (i) right angle triangle
(ii) obtuse angled triangle
(iii) equilateral triangle
(iv) acute angled triangle
-

7. In the given figure EG & FG are equal length chords of the circle. Find $\angle GEF$



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

8. In triangle CDE, if a circle is drawn with DE as diameter and if it passes through C it is a

- (i) equilateral triangle
(ii) obtuse angled triangle
(iii) acute angled triangle
(iv) right angle triangle
-

Assignment Key

- 1) (v)
- 2) (iv)
- 3) (iv)
- 4) (i)
- 5) (v)
- 6) (i)
- 7) (i)
- 8) (iv)