EduSahara™ Assignment

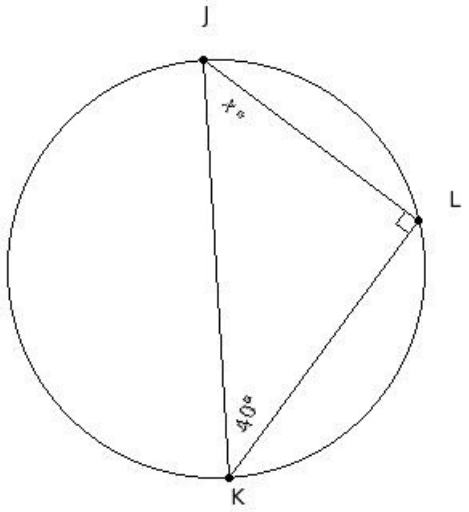
Name : Angle in a Semi-circle

Chapter : Circle

Grade : ICSE Grade VIII

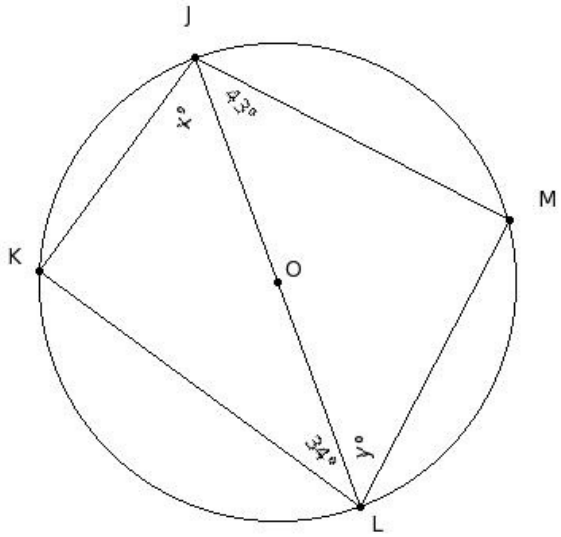
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1. Find the missing angle in the following figure?



(i) 65° (ii) 55° (iii) 80° (iv) 50° (v) 60°

2. O is the centre of the circle. If ∠JLK = 34° and ∠LJM = 43°, find x°, y°



(i) 47°, 56° (ii) 77°, 76° (iii) 37°, 56° (iv) 56°, 47° (v) 57°, 66°

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

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

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

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

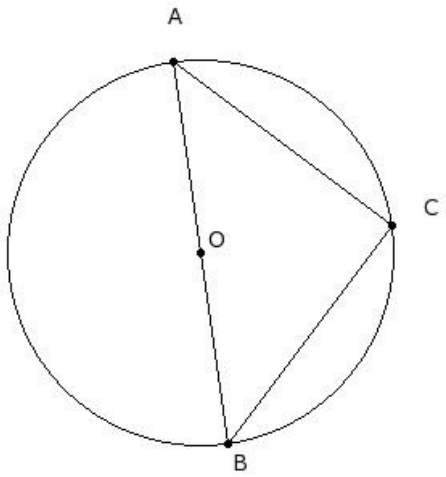
5. The angle subtended by the diameter at any point on the circle is

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

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

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

7. In the given figure AC & BC are equal length chords of the circle. Find ∠CAB



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

8. In triangle HIJ, if a circle is drawn with IJ as diameter and if it passes through H it is a

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

Assignment Key

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

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