

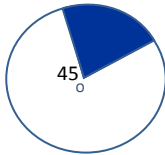
Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 1

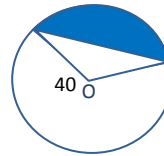
Do the following:

1.



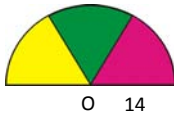
Find the area of shaded sector shown in fig. The radius of the circle is 45 units and the length of the arc measures 50 units

2.



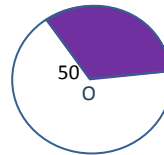
Find the area of a segment of a circle if the central angle of the segment is 165° and the radius is 40

3.



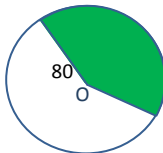
There are 3 equal segments in semi circle O. If the radius of circle is 14. What is the area of each segment?

4.



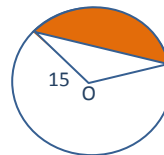
Find the area of shaded sector shown in fig. The radius of the circle is 50 units and the length of the arc measures 100 units

5.



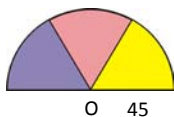
Find the area of the shaded sector of circle O. The radius is 80 inches and the central angle is 112° .

6.



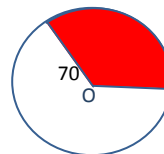
Find the area of a segment of a circle if the central angle of the segment is 50° and the radius is 15.

7.



There are 3 equal segments in semi circle O. If the radius of circle is 45. What is the area of each segment?

8.



Find the area of the shaded sector of circle O. The radius is 70 inches and the central angle is 140° .



Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 1- ANSWERS

1. **1125**

2. **2096.77**

3. **17.75**

4. **1363.37**

5. **6255.26**

6. **11.99**

7. **365.91**

8. **5986.47**



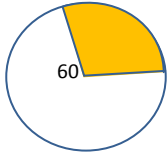
Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 2

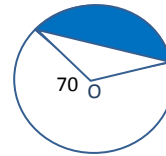
Do the following:

1.



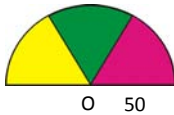
Find the area of shaded sector shown in fig. The radius of the circle is 60 units and the length of the arc measures 150 units

2.



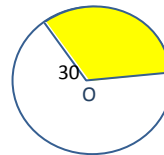
Find the area of a segment of a circle if the central angle of the segment is 105° and the radius is 70

3.



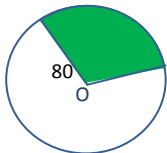
There are 3 equal segments in semi circle O. If the radius of circle is 50. What is the area of each segment?

4.



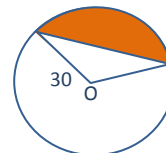
Find the area of shaded sector shown in fig. The radius of the circle is 30 units and the length of the arc measures 60 units

5.



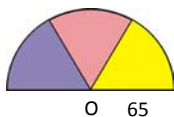
Find the area of the shaded sector of circle O. The radius is 80 inches and the central angle is 106° .

6.



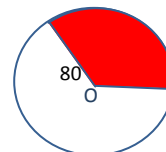
Find the area of a segment of a circle if the central angle of the segment is 115° and the radius is 30.

7.



There are 3 equal segments in semi circle O. If the radius of circle is 65. What is the area of each segment?

8.



Find the area of the shaded sector of circle O. The radius is 80 inches and the central angle is 160° .



Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 2 - ANSWERS

1. **4500**

2. **2123.34**

3. **226.46**

4. **900**

5. **5920.16**

6. **495.37**

7. **382.73**

8. **8936.09**



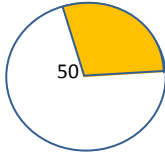
Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 3

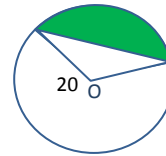
Do the following:

1.



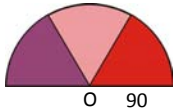
Find the area of shaded sector shown in fig. The radius of the circle is 50 units and the length of the arc measures 100 units

2.



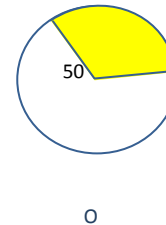
Find the area of a segment of a circle if the central angle of the segment is 130° and the radius is 20

3.



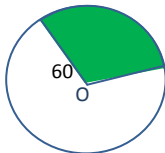
There are 3 equal segments in semi circle O. If the radius of circle is 90. What is the area of each segment?

4.



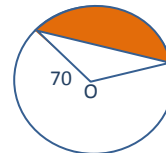
Find the area of shaded sector shown in fig. The radius of the circle is 50 units and the length of the arc measures 70 units

5.



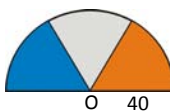
Find the area of the shaded sector of circle O. The radius is 60 inches and the central angle is 130° .

6.



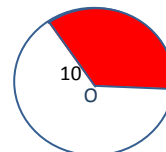
Find the area of a segment of a circle if the central angle of the segment is 185° and the radius is 70.

7.



There are 3 equal segments in semi circle O. If the radius of circle is 40. What is the area of each segment?

8.



Find the area of the shaded sector of circle O. The radius is 10 inches and the central angle is 135° .



Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 3 - ANSWERS

1.

2500

2.

300.576

3.

733.74

4.

1750

5.

4084.07

6.

8124.24

7.

144.94

8.

117.809



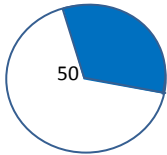
Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 4

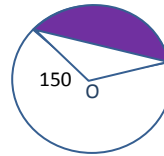
Do the following:

1.



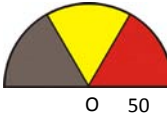
Find the area of shaded sector shown in fig. The radius of the circle is 50 units and the length of the arc measures 125 units

2.



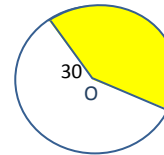
Find the area of a segment of a circle if the central angle of the segment is 120° and the radius is 150

3.



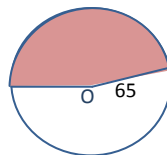
There are 3 equal segments in semi circle O. If the radius of circle is 50. What is the area of each segment?

4.



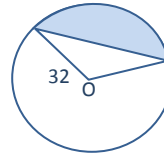
Find the area of shaded sector shown in fig. The radius of the circle is 30 units and the length of the arc measures 200 units

5.



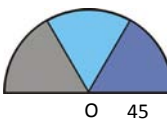
Find the area of the shaded sector of circle O. The radius is 65 inches and the central angle is 115° .

6.



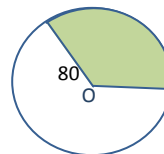
Find the area of a segment of a circle if the central angle of the segment is 145° and the radius is 32.

7.



There are 3 equal segments in semi circle O. If the radius of circle is 45. What is the area of each segment?

8.



Find the area of the shaded sector of circle O. The radius is 80 inches and the central angle is 155° .



Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 4 - **ANSWERS**

1. **3125**

2. **13819**

3. **226.47**

4. **1570.91**

5. **4240.59**

6. **1002.06**

7. **183.43**

8. **8656.83**



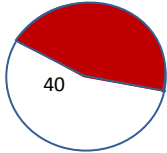
Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 5

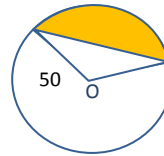
Do the following:

1.



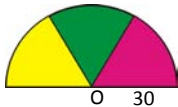
Find the area of shaded sector shown in fig. The radius of the circle is 40 units and the length of the arc measures 110 units.

2.



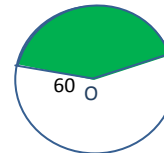
Find the area of a segment of a circle if the central angle of the segment is 140° and the radius is 50.

3.



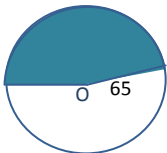
There are 3 equal segments in semi circle O. If the radius of circle is 30. What is the area of each segment?

4.



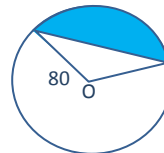
Find the area of shaded sector shown in fig. The radius of the circle is 60 units and the length of the arc measures 216 units

5.



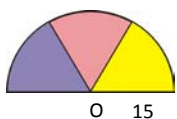
Find the area of the shaded sector of circle O. The radius is 65 inches and the central angle is 135° .

6.



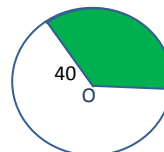
Find the area of a segment of a circle if the central angle of the segment is 135° and the radius is 80.

7.



There are 3 equal segments in semi circle O. If the radius of circle is 15. What is the area of each segment?

8.



Find the area of the shaded sector of circle O. The radius is 40 inches and the central angle is 195° .



Name: _____

Date _____

Topic : Area of Sector and Segment - Worksheet 5 - **ANSWERS**

1. **2200**

2. **2250.84**

3. **226.47**

4. **-4829.7**

5. **4977.46**

6. **5277.08**

7. **183.43**

8. **2722.71**

