

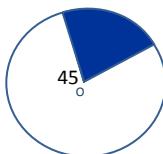
Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic : Area of Sector and Segment - Worksheet 1

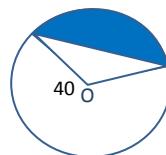
Do the following:

1.



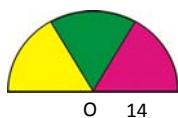
Find the area of shaded sector shown in fig. The radius of the circle is 45 units and the length of the arc measures 50 units

2.



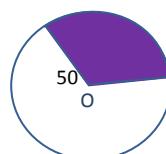
Find the area of a segment of a circle if the central angle of the segment is  $165^\circ$  and the radius is 40

3.



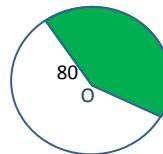
There are 3 equal segments in semi circle O. If the radius of circle is 14. What is the area of each segment?

4.



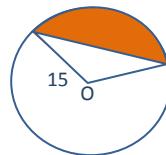
Find the area of shaded sector shown in fig. The radius of the circle is 50 units and the length of the arc measures 100 units

5.



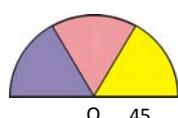
Find the area of the shaded sector of circle O. The radius is 80 inches and the central angle is  $112^\circ$ .

6.



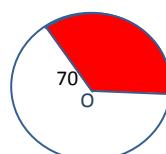
Find the area of a segment of a circle if the central angle of the segment is  $50^\circ$  and the radius is 15.

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  $140^\circ$ .



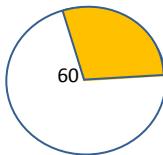
Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic : Area of Sector and Segment - Worksheet 2

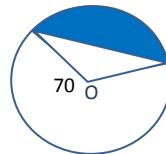
Do the following:

1.



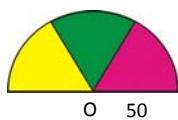
Find the area of shaded sector shown in fig. The radius of the circle is 60 units and the length of the arc measures 150 units

2.



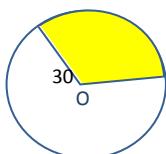
Find the area of a segment of a circle if the central angle of the segment is  $105^\circ$  and the radius is 70

3.



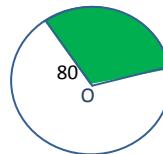
There are 3 equal segments in semi circle O. If the radius of circle is 50. What is the area of each segment?

4.



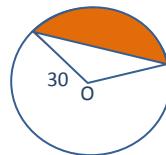
Find the area of shaded sector shown in fig. The radius of the circle is 30 units and the length of the arc measures 60 units

5.



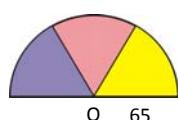
Find the area of the shaded sector of circle O. The radius is 80 inches and the central angle is  $106^\circ$ .

6.



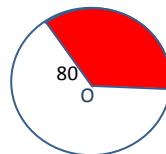
Find the area of a segment of a circle if the central angle of the segment is  $115^\circ$  and the radius is 30.

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  $160^\circ$ .



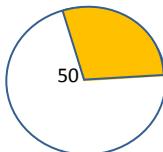
Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic : Area of Sector and Segment - Worksheet 3

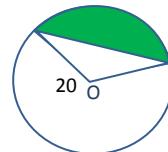
Do the following:

1.



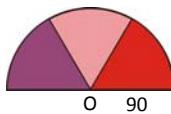
Find the area of shaded sector shown in fig. The radius of the circle is 50 units and the length of the arc measures 100 units

2.



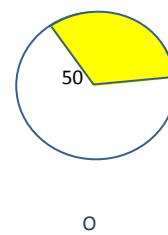
Find the area of a segment of a circle if the central angle of the segment is  $130^\circ$  and the radius is 20

3.



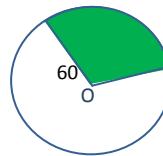
There are 3 equal segments in semi circle O. If the radius of circle is 90. What is the area of each segment?

4.



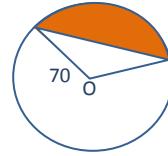
Find the area of shaded sector shown in fig. The radius of the circle is 50 units and the length of the arc measures 70 units

5.



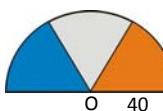
Find the area of the shaded sector of circle O. The radius is 60 inches and the central angle is  $130^\circ$ .

6.



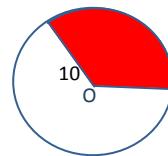
Find the area of a segment of a circle if the central angle of the segment is  $185^\circ$  and the radius is 70.

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  $135^\circ$ .



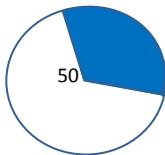
Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic : Area of Sector and Segment - Worksheet 4

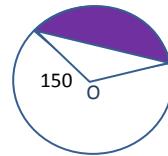
Do the following:

1.



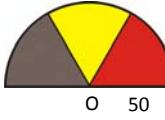
Find the area of shaded sector shown in fig. The radius of the circle is 50 units and the length of the arc measures 125 units

2.



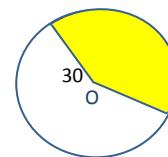
Find the area of a segment of a circle if the central angle of the segment is  $120^\circ$  and the radius is 150

3.



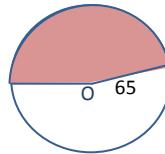
There are 3 equal segments in semi circle O. If the radius of circle is 50. What is the area of each segment?

4.



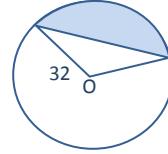
Find the area of shaded sector shown in fig. The radius of the circle is 30 units and the length of the arc measures 200 units

5.



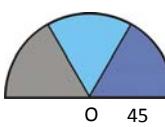
Find the area of the shaded sector of circle O. The radius is 65 inches and the central angle is  $115^\circ$ .

6.



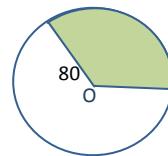
Find the area of a segment of a circle if the central angle of the segment is  $145^\circ$  and the radius is 32.

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  $155^\circ$ .



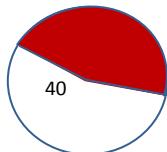
Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic : Area of Sector and Segment - Worksheet 5

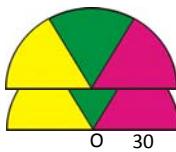
Do the following:

1.



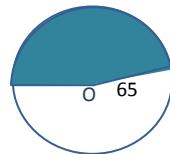
Find the area of shaded sector shown in fig. The radius of the circle is 40 units and the length of the arc measures 110 units.

3.



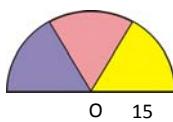
There are 3 equal segments in semi circle O. If the radius of circle is 30. What is the area of each segment?

5.



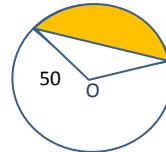
Find the area of the shaded sector of circle O. The radius is 65 inches and the central angle is  $135^\circ$ .

7.



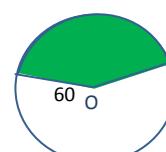
There are 3 equal segments in semi circle O. If the radius of circle is 15. What is the area of each segment?

2.



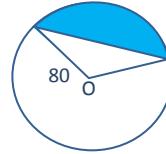
Find the area of a segment of a circle if the central angle of the segment is  $140^\circ$  and the radius is 50.

4.



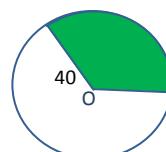
Find the area of shaded sector shown in fig. The radius of the circle is 60 units and the length of the arc measures 216 units

6.



Find the area of a segment of a circle if the central angle of the segment is  $135^\circ$  and the radius is 80.

8.



Find the area of the shaded sector of circle O. The radius is 40 inches and the central angle is  $195^\circ$ .

