

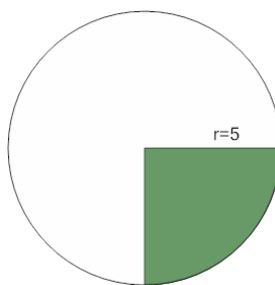


Math worksheet on 'Area of a Circle Sector From Area to Angle (Equation) (Level 1)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/

1

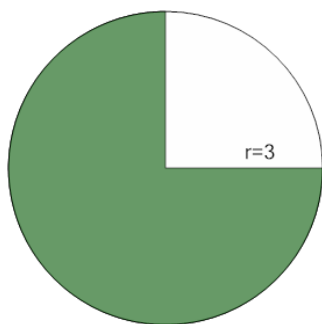


Find the sector angle for a sector with area $\frac{25}{4}\pi$ in a circle of radius 5

a	450°	b	180°
c	90°	d	45°
e	135°	f	495°

2

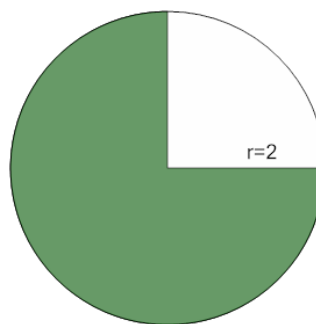
Find the sector angle for a sector with area $\frac{27}{4}\pi$ in a circle of radius 3



a	945°	b	270°
c	1,080°	d	1,350°
e	405°	f	135°

3

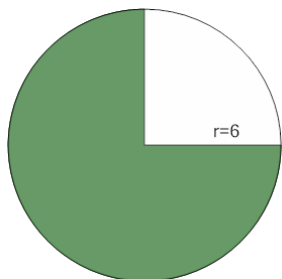
Find the sector angle for a sector with area 3π in a circle of radius 2



a	1,215°	b	540°
c	270°	d	675°
e	135°	f	810°

4

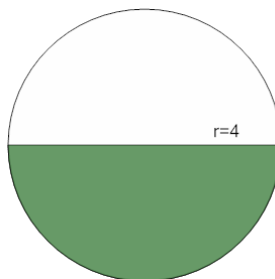
Find the sector angle for a sector with area 27π in a circle of radius 6



a	810°	b	270°
c	675°	d	945°
e	540°	f	135°

5

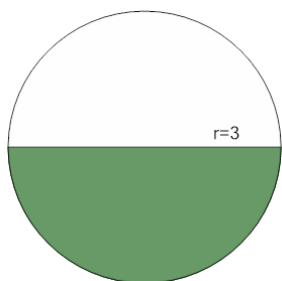
Find the sector angle for a sector with area 8π in a circle of radius 4



a	720°	b	360°
c	180°	d	630°
e	990°	f	900°

6

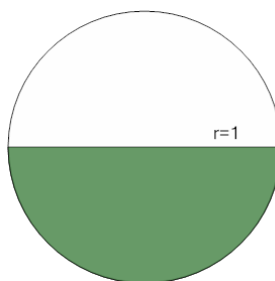
Find the sector angle for a sector with area $\frac{9}{2}\pi$ in a circle of radius 3



a	180°	b	720°
c	450°	d	900°
e	810°	f	630°

7

Find the sector angle for a sector with area $\frac{1}{2}\pi$ in a circle of radius 1



a	180°	b	720°
c	270°	d	630°
e	360°	f	540°