

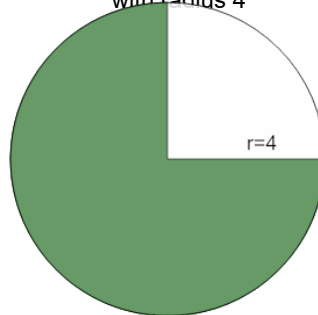


Math worksheet on 'Area of a Circle Sector From Angle to Area (Equation) (Level 1)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

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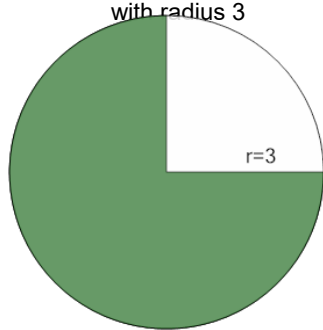
app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/

1 Find the area (in terms of π) of the green shaded sector with an angle of 270° in the circle with radius 4



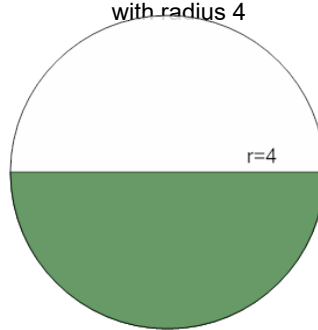
a	b	c
12π	2π	3π
d	e	
16π	18π	

2 Find the area (in terms of π) of the green shaded sector with an angle of 270° in the circle with radius 3



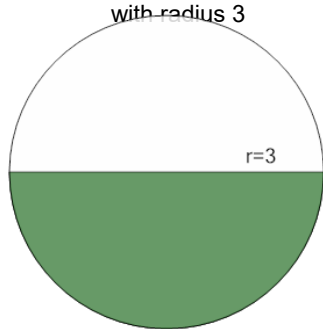
a	b	c
$\frac{17}{4}\pi$	$\frac{9}{4}\pi$	$\frac{27}{4}\pi$
d	e	
$\frac{43}{4}\pi$	$\frac{31}{4}\pi$	

3 Find the area (in terms of π) of the green shaded sector with an angle of 180° in the circle with radius 4



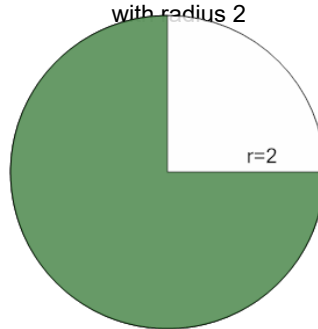
a	b	c
8π	$\frac{59}{4}\pi$	$\frac{19}{2}\pi$
d	e	
$\frac{13}{2}\pi$	$\frac{23}{4}\pi$	

4 Find the area (in terms of π) of the green shaded sector with an angle of 180° in the circle with radius 3



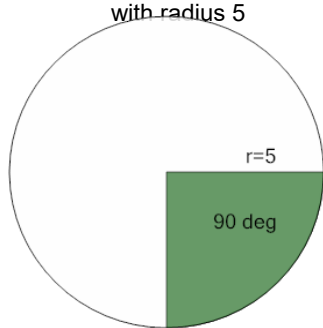
a	b	c
$\frac{9}{2}\pi$	$\frac{13}{4}\pi$	5π
d	e	
$\frac{5}{2}\pi$		

5 Find the area (in terms of π) of the green shaded sector with an angle of 270° in the circle with radius 2



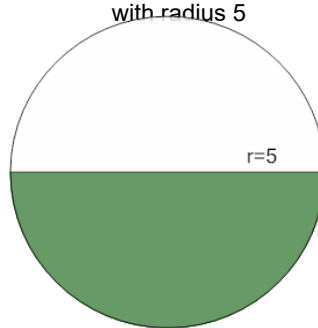
a	b	c
$\frac{13}{4}\pi$	$\frac{11}{4}\pi$	3π
d	e	
$\frac{7}{2}\pi$	$\frac{7}{4}\pi$	

6 Find the area (in terms of π) of the green shaded sector with an angle of 90° in the circle with radius 5



a	b	c
$\frac{21}{4}\pi$	$\frac{17}{4}\pi$	$\frac{25}{4}\pi$
d	e	
$\frac{7}{4}\pi$		

7 Find the area (in terms of π) of the green shaded sector with an angle of 180° in the circle with radius 5



a	b	c
20π	$\frac{65}{4}\pi$	$\frac{45}{4}\pi$
d	e	
$\frac{25}{2}\pi$	$\frac{75}{4}\pi$	