

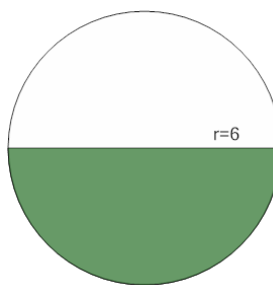


Math worksheet on 'Area of a Circle Sector From Fraction to Area (Equation) (Level 1)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

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

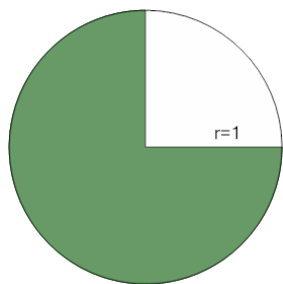
1



Find the area (in terms of π) of the green shaded sector that covers $1/2$ of the circle with radius 6

a	$\frac{23}{4}\pi$	b	$\frac{65}{4}\pi$
c	4π	d	18π
e	11π		

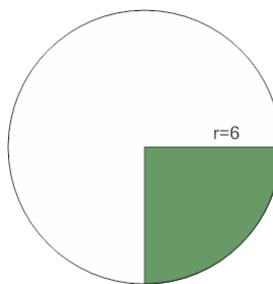
2



Find the area (in terms of π) of the green shaded sector that covers $3/4$ of the circle with radius 1

a	$\frac{3}{4}\pi$	b	3π
c	$\frac{9}{4}\pi$	d	$\frac{7}{4}\pi$

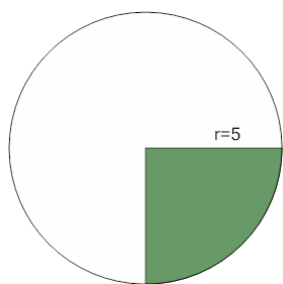
3



Find the area (in terms of π) of the green shaded sector that covers $1/4$ of the circle with radius 6

a	$\frac{21}{2}\pi$	b	$\frac{39}{4}\pi$
c	$\frac{57}{4}\pi$	d	$\frac{15}{2}\pi$
e	9π		

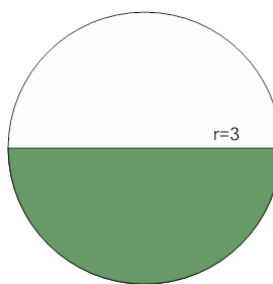
4



Find the area (in terms of π) of the green shaded sector that covers $1/4$ of the circle with radius 5

a	$\frac{39}{4}\pi$	b	$\frac{25}{4}\pi$
c	$\frac{13}{4}\pi$	d	$\frac{29}{4}\pi$
e	$\frac{23}{4}\pi$		

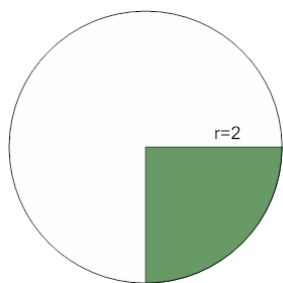
5



Find the area (in terms of π) of the green shaded sector that covers $1/2$ of the circle with radius 3

a	$\frac{9}{2}\pi$	b	$\frac{7}{2}\pi$
c	$\frac{19}{4}\pi$	d	$\frac{5}{2}\pi$

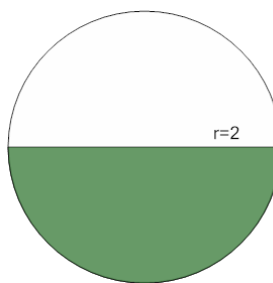
6



Find the area (in terms of π) of the green shaded sector that covers $1/4$ of the circle with radius 2

a	$\frac{3}{4}\pi$	b	$\frac{11}{4}\pi$
c	1π	d	$\frac{1}{2}\pi$

7



Find the area (in terms of π) of the green shaded sector that covers $1/2$ of the circle with radius 2

a	$\frac{1}{4}\pi$	b	1π
c	2π	d	$\frac{7}{2}\pi$