

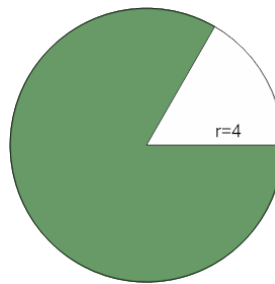


Math worksheet on 'Area of a Circle Sector From Area to Fraction (Equation) (Level 3)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

[app.mobius.academy/math/units/geometry\\_circles\\_sector\\_donut\\_area\\_logic\\_intro/](http://app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/)

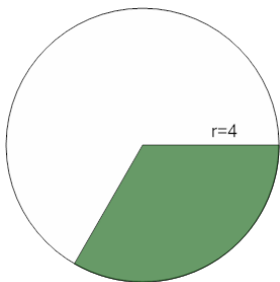
1



Find what fraction a sector with area  $\frac{40}{3}\pi$  is of a circle with radius 4

a	$\frac{7}{4}$	b	$\frac{5}{6}$
c	$\frac{2}{11}$	d	$\frac{3}{8}$
e	$\frac{9}{8}$		

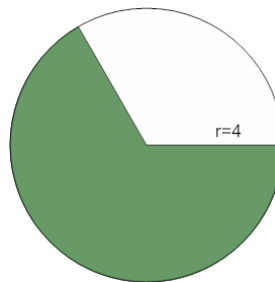
2



Find what fraction a sector with area  $\frac{16}{3}\pi$  is of a circle with radius 4

a	$\frac{3}{7}$	b	$\frac{1}{3}$
c	$\frac{5}{4}$	d	$\frac{5}{2}$
e	$\frac{2}{5}$		

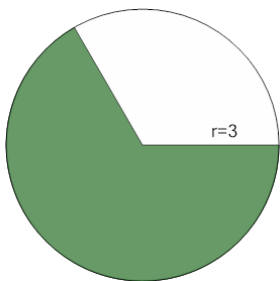
3



Find what fraction a sector with area  $\frac{32}{3}\pi$  is of a circle with radius 4

a	$\frac{2}{3}$	b	$\frac{1}{5}$
c	1	d	8
e	$\frac{7}{10}$		

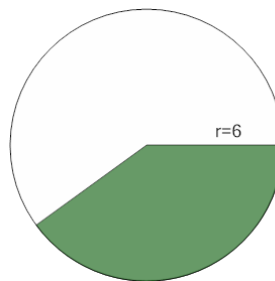
4



Find what fraction a sector with area  $6\pi$  is of a circle with radius 3

a	$\frac{1}{4}$	b	$\frac{3}{4}$
c	$\frac{1}{8}$	d	4
e	$\frac{2}{3}$		

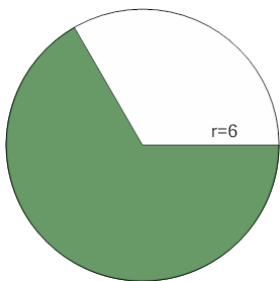
5



Find what fraction a sector with area  $\frac{72}{5}\pi$  is of a circle with radius 6

a	$\frac{3}{13}$	b	$\frac{1}{2}$
c	$\frac{2}{5}$	d	$\frac{5}{2}$
e	$\frac{5}{7}$		

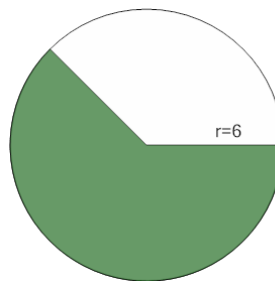
6



Find what fraction a sector with area  $24\pi$  is of a circle with radius 6

a	$\frac{13}{6}$	b	$\frac{7}{16}$
c	$\frac{2}{3}$	d	$\frac{13}{15}$
e	$\frac{5}{4}$		

7



Find what fraction a sector with area  $\frac{45}{2}\pi$  is of a circle with radius 6

a	1	b	$\frac{1}{3}$
c	$\frac{8}{3}$	d	$\frac{1}{14}$
e	$\frac{5}{8}$		