

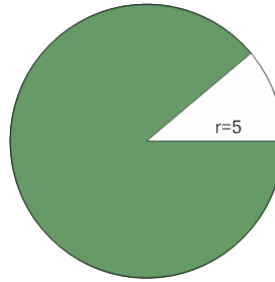


Math worksheet on 'Area of a Circle Sector From Area to Fraction (Equation) (Level 3)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

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

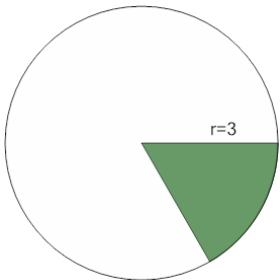
1



Find what fraction a sector with area $200/9 \pi$ is of a circle with radius 5

a	$\frac{11}{3}$	b	$\frac{2}{3}$
c	$\frac{13}{6}$	d	$\frac{7}{5}$
e	$\frac{8}{9}$		

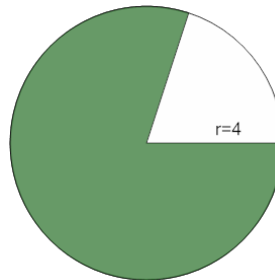
2



Find what fraction a sector with area $3/2 \pi$ is of a circle with radius 3

a	7	b	$\frac{2}{5}$
c	$\frac{9}{2}$	d	$\frac{3}{2}$
e	$\frac{1}{6}$		

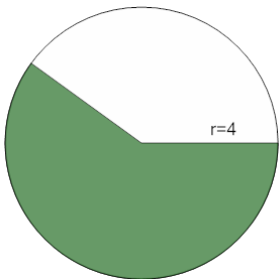
3



Find what fraction a sector with area $64/5 \pi$ is of a circle with radius 4

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

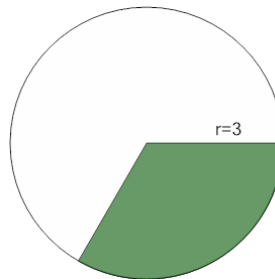
4



Find what fraction a sector with area $48/5 \pi$ is of a circle with radius 4

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

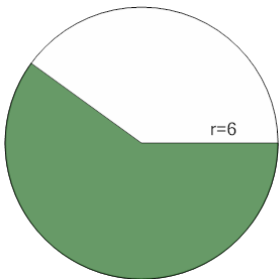
5



Find what fraction a sector with area 3π is of a circle with radius 3

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

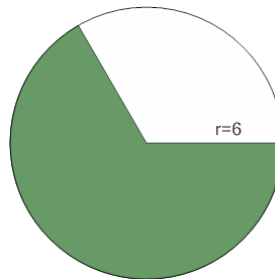
6



Find what fraction a sector with area $108/5 \pi$ is of a circle with radius 6

a	$\frac{3}{5}$	b	$\frac{4}{3}$
c	$\frac{7}{9}$	d	$\frac{12}{11}$
e	$\frac{5}{8}$		

7



Find what fraction a sector with area 24π is of a circle with radius 6

a	$\frac{2}{3}$	b	$\frac{3}{2}$
c	$\frac{8}{15}$	d	$\frac{13}{10}$
e	$\frac{2}{7}$		