



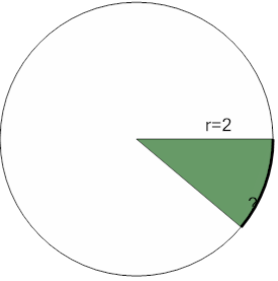
Math worksheet on 'Area of a Circle Sector From Area to Arc Length (Equation) (Level 2)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

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

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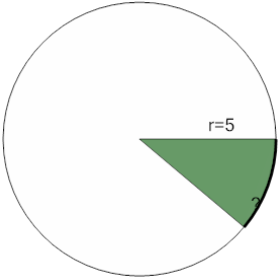
Find the arc length of the green shaded sector with area $\frac{4}{9}\pi$ in a circle of radius 2



a	3π	b	$\frac{3}{11}\pi$
c	1π	d	$\frac{4}{9}\pi$
e	$\frac{6}{11}\pi$		

1

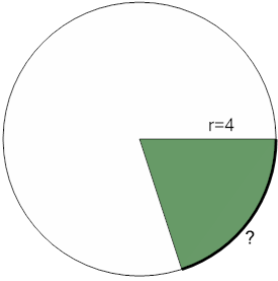
Find the arc length of the green shaded sector with area $\frac{25}{9}\pi$ in a circle of radius 5



a	14π	b	1π
c	$\frac{4}{7}\pi$	d	$\frac{10}{9}\pi$
e	$\frac{13}{6}\pi$		

3

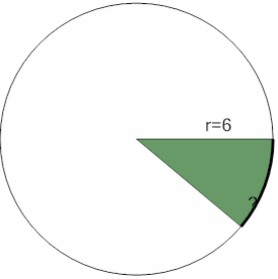
Find the arc length of the green shaded sector with area $\frac{16}{5}\pi$ in a circle of radius 4



a	$\frac{8}{5}\pi$	b	$\frac{13}{7}\pi$
c	$\frac{3}{2}\pi$	d	$\frac{15}{4}\pi$
e	$\frac{6}{13}\pi$		

4

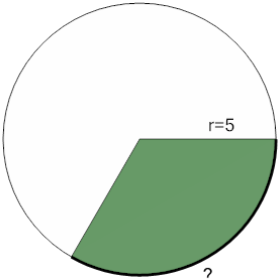
Find the arc length of the green shaded sector with area 4π in a circle of radius 6



a	$\frac{4}{4}\pi$	b	$\frac{8}{13}\pi$
c	$\frac{3}{2}\pi$	d	$\frac{2}{15}\pi$
e	$\frac{4}{3}\pi$		

5

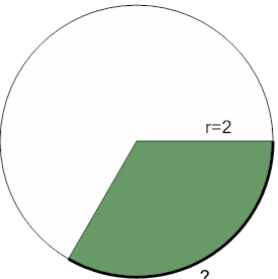
Find the arc length of the green shaded sector with area $\frac{25}{3}\pi$ in a circle of radius 5



a	$\frac{13}{9}\pi$	b	$\frac{13}{12}\pi$
c	$\frac{10}{3}\pi$	d	$\frac{13}{7}\pi$
e	$\frac{16}{9}\pi$		

6

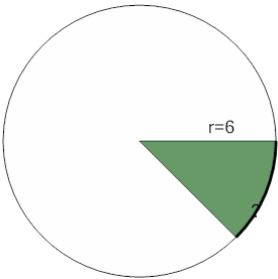
Find the arc length of the green shaded sector with area $\frac{4}{3}\pi$ in a circle of radius 2



a	$\frac{4}{3}\pi$	b	$\frac{13}{4}\pi$
c	8π	d	11π
e	$\frac{3}{2}\pi$		

7

Find the arc length of the green shaded sector with area $\frac{9}{2}\pi$ in a circle of radius 6



a	$\frac{2}{5}\pi$	b	$\frac{8}{9}\pi$
c	$\frac{3}{2}\pi$	d	2π
e	$\frac{3}{13}\pi$		