

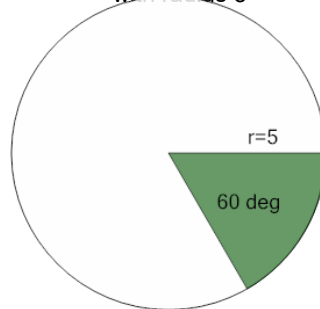


Math worksheet on 'Area of a Circle Sector From Angle to Area (Equation) (Level 2)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

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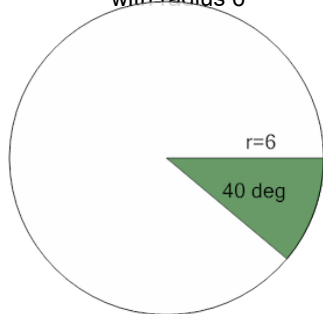
app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/

- 1** Find the area (in terms of π) of the green shaded sector with an angle of 60° in the circle with radius 5



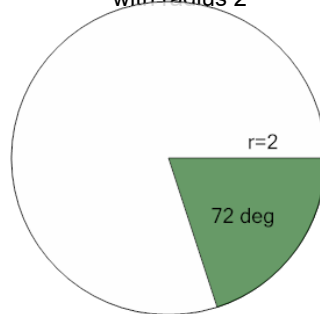
a $\frac{11}{2}\pi$	b $\frac{7}{2}\pi$	c $\frac{43}{6}\pi$
d $\frac{29}{6}\pi$	e $\frac{25}{6}\pi$	

- 2** Find the area (in terms of π) of the green shaded sector with an angle of 40° in the circle with radius 6



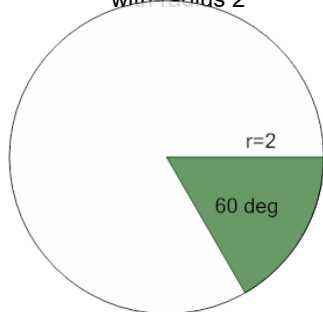
a $\frac{13}{3}\pi$	b 7π	c 4π
d 1π	e $\frac{16}{3}\pi$	

- 3** Find the area (in terms of π) of the green shaded sector with an angle of 72° in the circle with radius 2



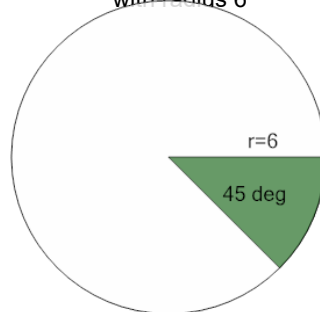
a $\frac{13}{5}\pi$	b 2π	c $\frac{4}{5}\pi$
d $\frac{2}{5}\pi$	e $\frac{6}{5}\pi$	

- 4** Find the area (in terms of π) of the green shaded sector with an angle of 60° in the circle with radius 2



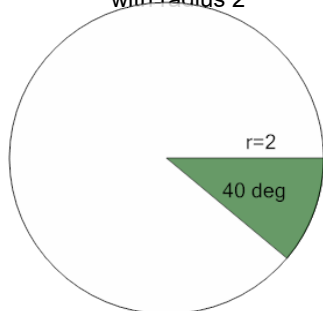
a $\frac{13}{6}\pi$	b $\frac{5}{6}\pi$	c $\frac{4}{3}\pi$
d $\frac{7}{6}\pi$	e $\frac{2}{3}\pi$	

- 5** Find the area (in terms of π) of the green shaded sector with an angle of 45° in the circle with radius 6



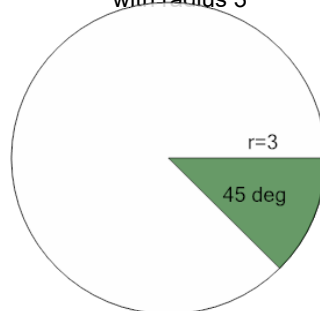
a $\frac{27}{4}\pi$	b $\frac{45}{8}\pi$	c $\frac{33}{8}\pi$
d $\frac{9}{2}\pi$	e $\frac{3}{4}\pi$	

- 6** Find the area (in terms of π) of the green shaded sector with an angle of 40° in the circle with radius 2



a $\frac{4}{9}\pi$	b $\frac{8}{9}\pi$	c $\frac{10}{9}\pi$
d $\frac{11}{9}\pi$	e $\frac{1}{9}\pi$	

- 7** Find the area (in terms of π) of the green shaded sector with an angle of 45° in the circle with radius 3



a $\frac{13}{8}\pi$	b $\frac{9}{8}\pi$	c 2π
d $\frac{1}{8}\pi$		