



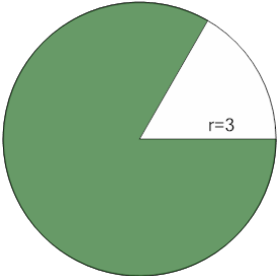
Math worksheet on 'Area of a Circle Sector From Fraction to Area (Equation) (Level 3)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

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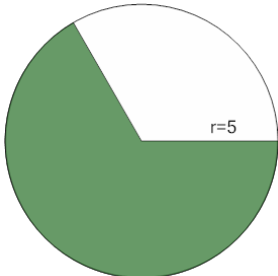
Find the area (in terms of π) of the green shaded sector that covers $\frac{5}{6}$ of the circle with radius 3



a	$\frac{7}{2}\pi$	b	$\frac{13}{6}\pi$
c	$\frac{15}{2}\pi$	d	$\frac{25}{6}\pi$
e	$\frac{11}{2}\pi$		

1

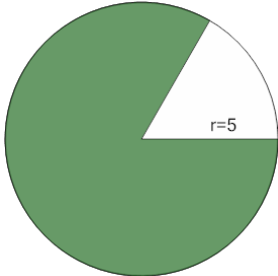
Find the area (in terms of π) of the green shaded sector that covers $\frac{2}{3}$ of the circle with radius 5



a	$\frac{95}{3}\pi$	b	10π
c	$\frac{50}{3}\pi$	d	$\frac{40}{3}\pi$

3

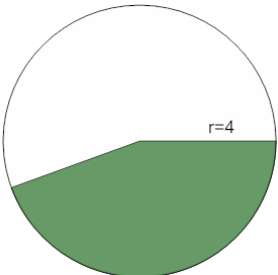
Find the area (in terms of π) of the green shaded sector that covers $\frac{5}{6}$ of the circle with radius 5



a	$\frac{125}{6}\pi$	b	$\frac{209}{6}\pi$
c	$\frac{137}{6}\pi$	d	$\frac{149}{6}\pi$

4

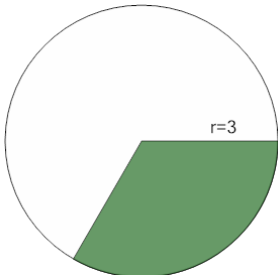
Find the area (in terms of π) of the green shaded sector that covers $\frac{4}{9}$ of the circle with radius 4



a	$\frac{46}{9}\pi$	b	$\frac{64}{9}\pi$
c	$\frac{52}{9}\pi$	d	$\frac{22}{9}\pi$

5

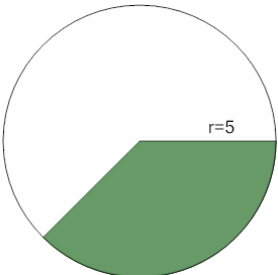
Find the area (in terms of π) of the green shaded sector that covers $\frac{1}{3}$ of the circle with radius 3



a	$\frac{9}{2}\pi$	b	$\frac{23}{6}\pi$
c	2π	d	3π

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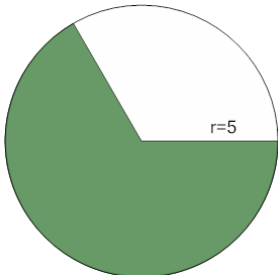
Find the area (in terms of π) of the green shaded sector that covers $\frac{3}{8}$ of the circle with radius 5



a	$\frac{75}{8}\pi$	b	$\frac{69}{4}\pi$
c	$\frac{3}{2}\pi$	d	$\frac{5}{8}\pi$
e	5π		

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Find the area (in terms of π) of the green shaded sector that covers $\frac{2}{3}$ of the circle with radius 5



a	$\frac{50}{3}\pi$	b	$\frac{40}{3}\pi$
c	$\frac{25}{3}\pi$	d	$\frac{70}{3}\pi$
e	$\frac{20}{3}\pi$		