

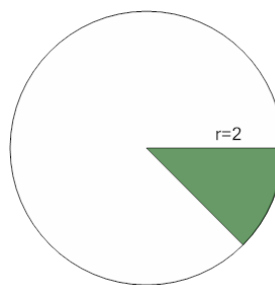


Math worksheet on 'Area of a Circle Sector From Fraction to Area (Equation) (Level 2)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

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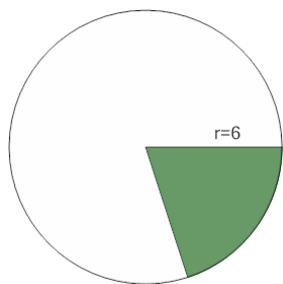
1



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $1/8$  of the circle with radius 2

<b>a</b>	$\frac{11}{8}\pi$	<b>b</b>	$\frac{3}{4}\pi$
<b>c</b>	$\frac{3}{8}\pi$	<b>d</b>	$\frac{1}{2}\pi$
<b>e</b>	$\frac{3}{2}\pi$		

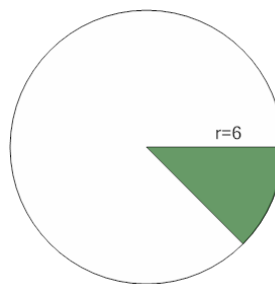
2



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $1/5$  of the circle with radius 6

<b>a</b>	$\frac{6}{5}\pi$	<b>b</b>	$\frac{12}{5}\pi$
<b>c</b>	$\frac{27}{5}\pi$	<b>d</b>	$\frac{36}{5}\pi$
<b>e</b>	$\frac{18}{5}\pi$		

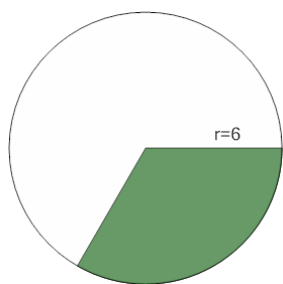
3



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $1/8$  of the circle with radius 6

<b>a</b>	$\frac{15}{4}\pi$	<b>b</b>	$\frac{9}{2}\pi$
<b>c</b>	$\frac{3}{4}\pi$	<b>d</b>	$\frac{57}{8}\pi$

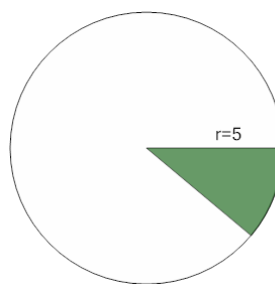
4



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $1/3$  of the circle with radius 6

<b>a</b>	$5\pi$	<b>b</b>	$18\pi$
<b>c</b>	$12\pi$	<b>d</b>	$14\pi$
<b>e</b>	$3\pi$		

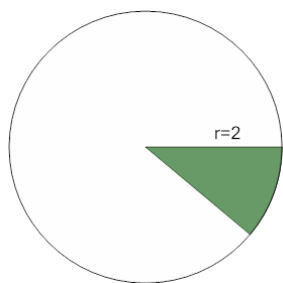
5



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $1/9$  of the circle with radius 5

<b>a</b>	$\frac{37}{9}\pi$	<b>b</b>	$\frac{31}{9}\pi$
<b>c</b>	$\frac{13}{3}\pi$	<b>d</b>	$\frac{25}{9}\pi$

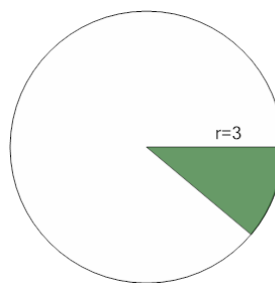
6



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $1/9$  of the circle with radius 2

<b>a</b>	$\frac{8}{9}\pi$	<b>b</b>	$\frac{1}{9}\pi$
<b>c</b>	$\frac{4}{9}\pi$	<b>d</b>	$\frac{2}{9}\pi$
<b>e</b>	$\frac{5}{9}\pi$		

7



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $1/9$  of the circle with radius 3

<b>a</b>	$\frac{5}{3}\pi$	<b>b</b>	$\frac{7}{9}\pi$
<b>c</b>	$1\pi$	<b>d</b>	$\frac{10}{9}\pi$