

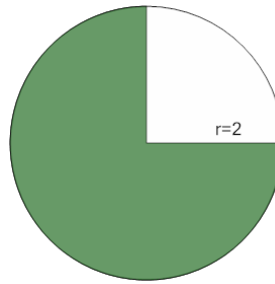


Math worksheet on 'Area of a Circle Sector From Fraction to Area (Equation) (Level 1)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

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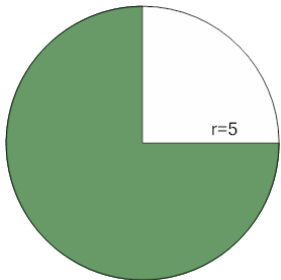
1



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $\frac{3}{4}$  of the circle with radius 2

<b>a</b>	$\frac{3}{2}\pi$	<b>b</b>	$\frac{5}{2}\pi$
<b>c</b>	$3\pi$	<b>d</b>	$\frac{11}{4}\pi$
<b>e</b>	$\frac{9}{4}\pi$		

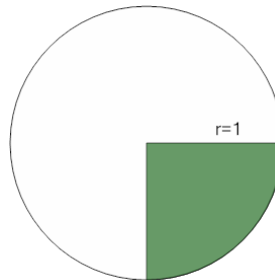
2



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $\frac{3}{4}$  of the circle with radius 5

<b>a</b>	$10\pi$	<b>b</b>	$\frac{75}{4}\pi$
<b>c</b>	$\frac{19}{4}\pi$	<b>d</b>	$\frac{5}{4}\pi$
<b>e</b>	$\frac{89}{4}\pi$		

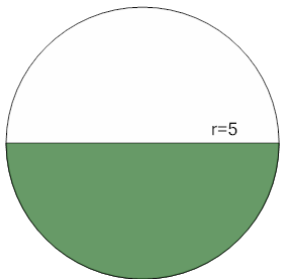
3



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $\frac{1}{4}$  of the circle with radius 1

<b>a</b>	$\frac{5}{4}\pi$	<b>b</b>	$\frac{1}{4}\pi$
<b>c</b>	$\frac{7}{4}\pi$	<b>d</b>	$\frac{5}{2}\pi$
<b>e</b>	$\frac{1}{2}\pi$		

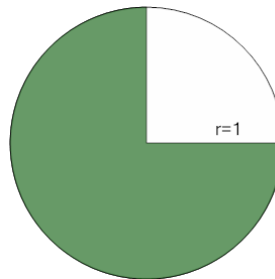
4



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $\frac{1}{2}$  of the circle with radius 5

<b>a</b>	$\frac{15}{4}\pi$	<b>b</b>	$\frac{85}{4}\pi$
<b>c</b>	$\frac{25}{2}\pi$	<b>d</b>	$\frac{35}{4}\pi$

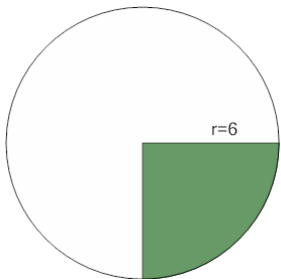
5



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $\frac{3}{4}$  of the circle with radius 1

<b>a</b>	$\frac{5}{4}\pi$	<b>b</b>	$\frac{3}{2}\pi$
<b>c</b>	$\frac{3}{4}\pi$	<b>d</b>	$\frac{1}{2}\pi$

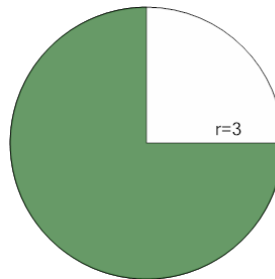
6



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $\frac{1}{4}$  of the circle with radius 6

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

7



Find the area (in terms of  $\pi$ ) of the green shaded sector that covers  $\frac{3}{4}$  of the circle with radius 3

<b>a</b>	$\frac{45}{4}\pi$	<b>b</b>	$\frac{13}{4}\pi$
<b>c</b>	$\frac{31}{4}\pi$	<b>d</b>	$\frac{27}{4}\pi$
<b>e</b>	$\frac{43}{4}\pi$		