

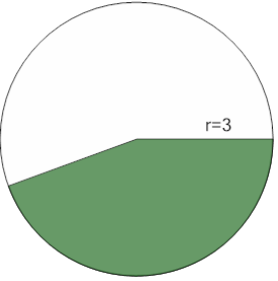


Math worksheet on 'Area of a Circle Sector From Area to Angle (Closest Integer) (Level 3)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

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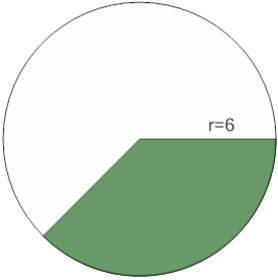
[app.mobius.academy/math/units/geometry\\_circles\\_sector\\_donut\\_area\\_logic\\_intro/](http://app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/)

**2** A sector with area 12.57 in a circle of radius 3 has what sector angle?



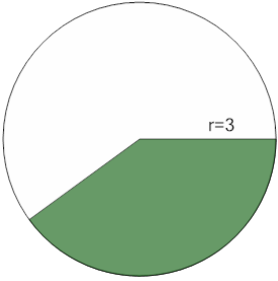
<b>a</b>	640°	<b>b</b>	160°
<b>c</b>	240°	<b>d</b>	400°
<b>e</b>	880°	<b>f</b>	80°

**1** A sector with area 42.41 in a circle of radius 6 has what sector angle?



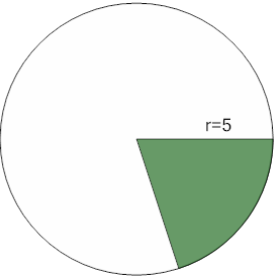
<b>a</b>	330°	<b>b</b>	655°
<b>c</b>	255°	<b>d</b>	135°
<b>e</b>	200°	<b>f</b>	525°

**3** A sector with area 11.31 in a circle of radius 3 has what sector angle?



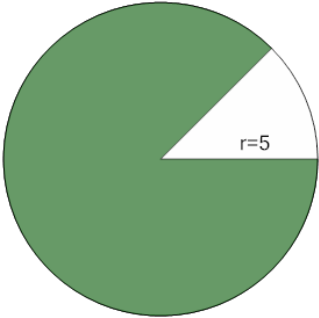
<b>a</b>	136°	<b>b</b>	774°
<b>c</b>	4°	<b>d</b>	144°
<b>e</b>	214°	<b>f</b>	556°

**4** A sector with area 15.71 in a circle of radius 5 has what sector angle?



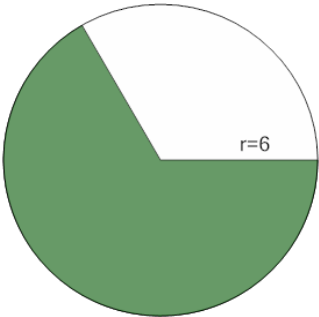
<b>a</b>	68°	<b>b</b>	138°
<b>c</b>	103°	<b>d</b>	2°
<b>e</b>	387°	<b>f</b>	72°

**5** A sector with area 68.72 in a circle of radius 5 has what sector angle?



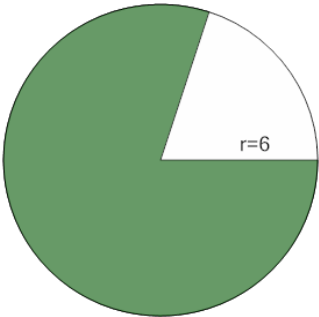
<b>a</b>	150°	<b>b</b>	315°
<b>c</b>	460°	<b>d</b>	1,555°
<b>e</b>	305°	<b>f</b>	780°

**6** A sector with area 75.4 in a circle of radius 6 has what sector angle?



<b>a</b>	240°	<b>b</b>	960°
<b>c</b>	720°	<b>d</b>	840°
<b>e</b>	1,320°	<b>f</b>	120°

**7** A sector with area 90.48 in a circle of radius 6 has what sector angle?



<b>a</b>	972°	<b>b</b>	692°
<b>c</b>	1,548°	<b>d</b>	288°
<b>e</b>	412°	<b>f</b>	132°