



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

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**1**

Find what fraction a sector with area  $2\pi$  is of a circle with radius 2

<b>a</b>	2	<b>b</b>	$\frac{1}{2}$
<b>c</b>	$\frac{5}{7}$	<b>d</b>	$\frac{3}{2}$
<b>e</b>	1		

**2**

Find what fraction a sector with area  $1\pi$  is of a circle with radius 2

<b>a</b>	1	<b>b</b>	7
<b>c</b>	$\frac{10}{9}$	<b>d</b>	$\frac{1}{4}$
<b>e</b>	$\frac{1}{5}$		

**3**

Find what fraction a sector with area  $3\pi$  is of a circle with radius 2

<b>a</b>	$\frac{3}{4}$	<b>b</b>	2
<b>c</b>	5	<b>d</b>	11
<b>e</b>	7		

**4**

Find what fraction a sector with area  $\frac{25}{2}\pi$  is of a circle with radius 5

<b>a</b>	$\frac{3}{5}$	<b>b</b>	1
<b>c</b>	$\frac{5}{3}$	<b>d</b>	$\frac{9}{8}$
<b>e</b>	$\frac{1}{2}$		

**5**

Find what fraction a sector with area  $\frac{1}{2}\pi$  is of a circle with radius 1

<b>a</b>	4	<b>b</b>	$\frac{8}{7}$
<b>c</b>	3	<b>d</b>	$\frac{1}{2}$
<b>e</b>	2		

**6**

Find what fraction a sector with area  $\frac{75}{4}\pi$  is of a circle with radius 5

<b>a</b>	$\frac{4}{11}$	<b>b</b>	$\frac{3}{4}$
<b>c</b>	1	<b>d</b>	$\frac{5}{4}$

**7**

Find what fraction a sector with area  $18\pi$  is of a circle with radius 6

<b>a</b>	$\frac{1}{3}$	<b>b</b>	$\frac{1}{4}$
<b>c</b>	$\frac{5}{6}$	<b>d</b>	$\frac{1}{2}$
<b>e</b>	$\frac{8}{7}$		