

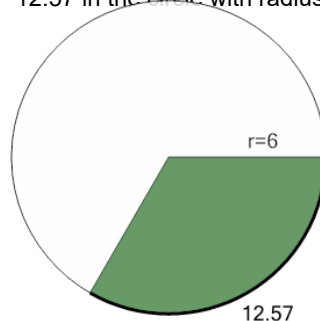


Math worksheet on 'Area of a Circle Sector From Arc Length to Area (Closest Integer) (Level 3)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

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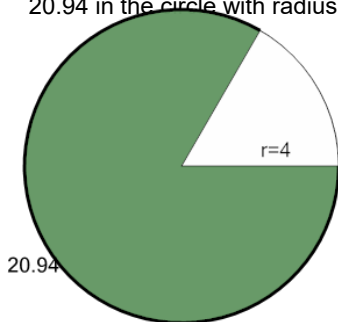
[app.mobius.academy/math/units/geometry\\_circles\\_sector\\_donut\\_area\\_logic\\_intro/](http://app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/)

**1** Find the area (to the closest integer) of the green shaded sector with an arc length of 12.57 in the circle with radius 6



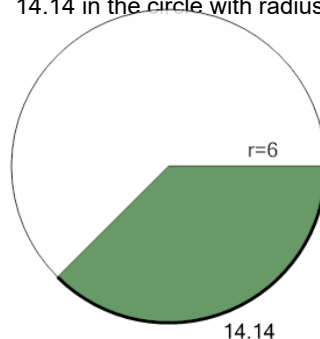
a	b	c
29	38	11
d	e	f
59	62	26

**2** Find the area (to the closest integer) of the green shaded sector with an arc length of 20.94 in the circle with radius 4



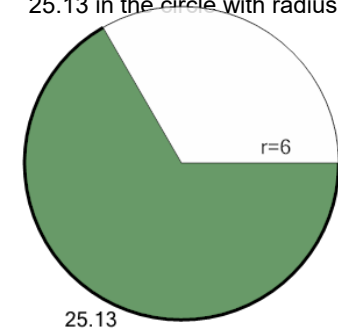
a	b	c
62	2	10
d	e	f
42	50	46

**3** Find the area (to the closest integer) of the green shaded sector with an arc length of 14.14 in the circle with radius 6



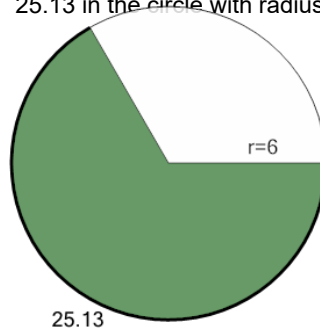
a	b	c
58	62	42
d	e	f
26	54	70

**4** Find the area (to the closest integer) of the green shaded sector with an arc length of 25.13 in the circle with radius 6



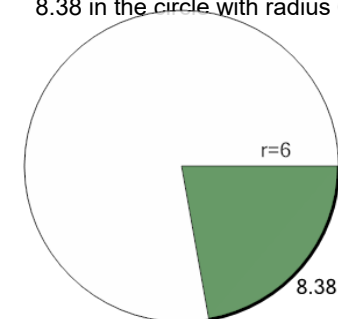
a	b	c
75	54	103
d	e	f
124	5	138

**5** Find the area (to the closest integer) of the green shaded sector with an arc length of 25.13 in the circle with radius 6



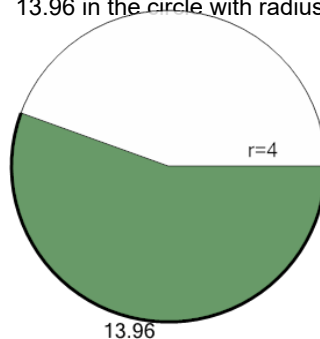
a	b	c
54	117	75
d	e	f
82	47	110

**6** Find the area (to the closest integer) of the green shaded sector with an arc length of 8.38 in the circle with radius 6



a	b	c
43	11	41
d	e	f
23	37	25

**7** Find the area (to the closest integer) of the green shaded sector with an arc length of 13.96 in the circle with radius 4



a	b	c
14	20	28
d	e	f
34	16	44