

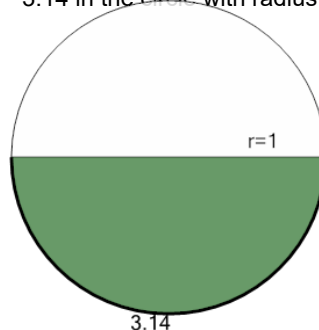


Math worksheet on 'Area of a Circle Sector From Arc Length to Area (Closest Integer) (Level 1)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

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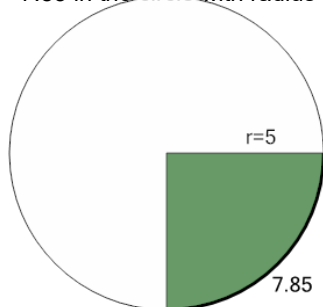
[app.mobius.academy/math/units/geometry\\_circles\\_sector\\_donut\\_area\\_logic\\_intro/](http://app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/)

**1** Find the area (to the closest integer) of the green shaded sector with an arc length of 3.14 in the circle with radius 1



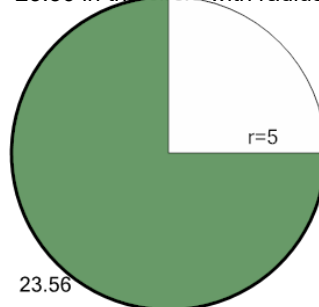
a	b	c
8	2	5
d	e	f
4	7	10

**2** Find the area (to the closest integer) of the green shaded sector with an arc length of 7.85 in the circle with radius 5



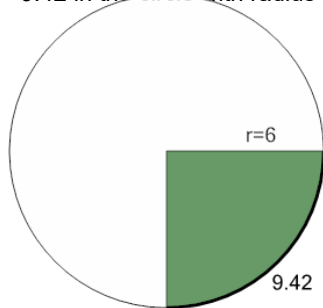
a	b	c
34	20	28
d	e	f
26	22	12

**3** Find the area (to the closest integer) of the green shaded sector with an arc length of 23.56 in the circle with radius 5



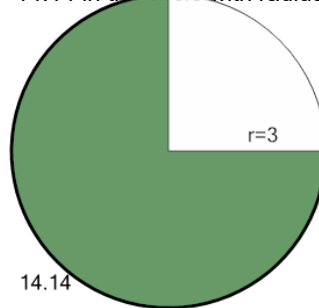
a	b	c
89	104	59
d	e	f
44	34	64

**4** Find the area (to the closest integer) of the green shaded sector with an arc length of 9.42 in the circle with radius 6



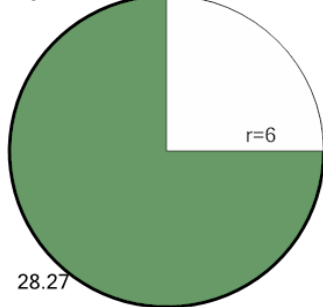
a	b	c
32	34	30
d	e	f
44	28	36

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



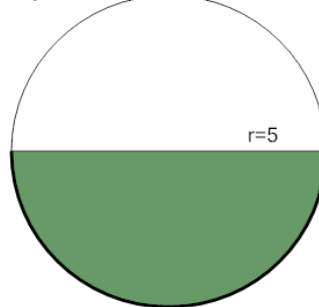
a	b	c
25	17	23
d	e	f
37	11	21

**6** Find the area (to the closest integer) of the green shaded sector with an arc length of 28.27 in the circle with radius 6



a	b	c
85	5	101
d	e	f
53	45	109

**7** Find the area (to the closest integer) of the green shaded sector with an arc length of 15.71 in the circle with radius 5



a	b	c
12	27	39
d	e	f
9	36	57