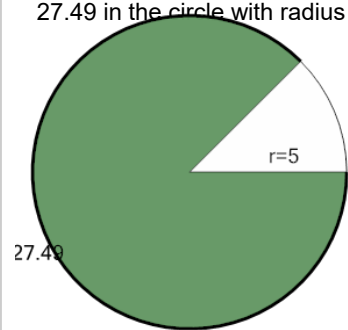# mobius

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'*
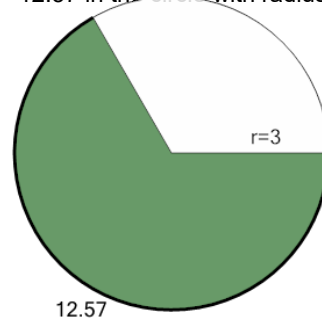
Learn online:

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 3
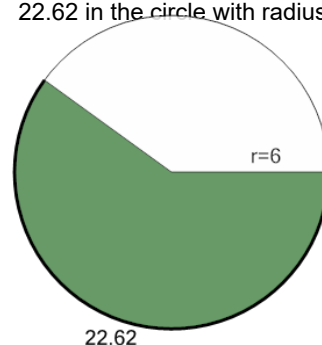

r=3
12.57

a	b	c
20	19	22
d	**e**	**f**
15	14	25

2 Find the area (to the closest integer) of the green shaded sector with an arc length of 27.49 in the circle with radius 5

r=5
27.49

a	b	c
123	99	51
d	**e**	**f**
69	117	39

3 Find the area (to the closest integer) of the green shaded sector with an arc length of 22.62 in the circle with radius 6
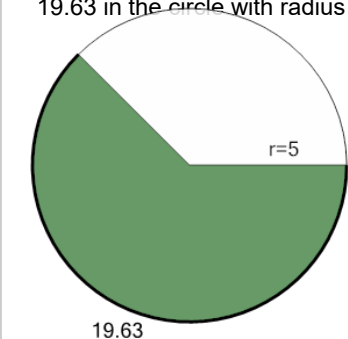

r=6
22.62

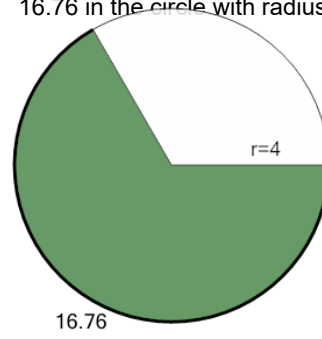| a	b	c
20	122	74
d	**e**	**f**
68	62	56

4 Find the area (to the closest integer) of the green shaded sector with an arc length of 19.63 in the circle with radius 5
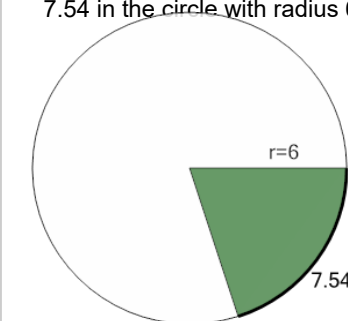

r=5
19.63

a	b	c
29	21	61
d	**e**	**f**
81	49	77

5 Find the area (to the closest integer) of the green shaded sector with an arc length of 16.76 in the circle with radius 4

r=4
16.76

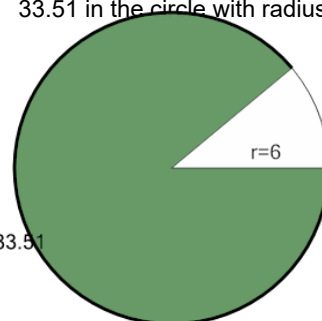| a	b	c
40	22	7
d	**e**	**f**
55	58	34

6 Find the area (to the closest integer) of the green shaded sector with an arc length of 7.54 in the circle with radius 6

r=6
7.54

a	b	c
23	11	25
d	**e**	**f**
7	5	19

7 Find the area (to the closest integer) of the green shaded sector with an arc length of 33.51 in the circle with radius 6

r=6
33.51

a	b	c
101	81	31
d	**e**	**f**
151	71	41