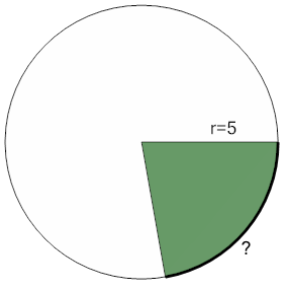
Math worksheet on *'Area of a Circle Sector From Area to Arc Length (Closest Integer) (Level 3)'*. Part of a broader unit on *'Geometry - Circle Area, Sectors and Donuts - Intro'*

Learn online:

app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/

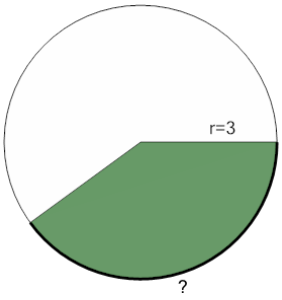
1



A sector with area 17.45 in a circle of radius 5 has what the arc length (to the closest integer)?

a	10	**b**	7
c	9	**d**	5
e	3	**f**	6

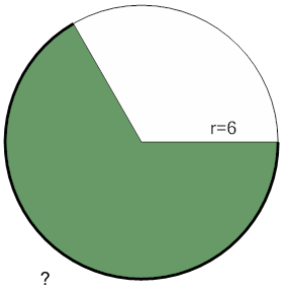
2



A sector with area 11.31 in a circle of radius 3 has what the arc length (to the closest integer)?

a	10	**b**	7
c	12	**d**	4
e	11	**f**	8

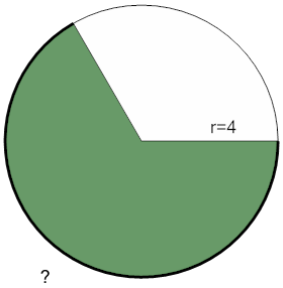
3



A sector with area 75.4 in a circle of radius 6 has what the arc length (to the closest integer)?

a	28	**b**	23
c	25	**d**	27
e	29	**f**	21

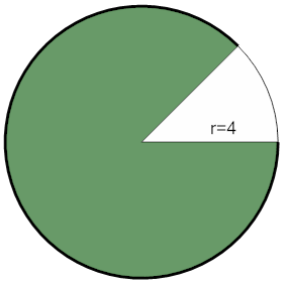
4



A sector with area 33.51 in a circle of radius 4 has what the arc length (to the closest integer)?

a	13	**b**	21
c	20	**d**	18
e	14	**f**	17

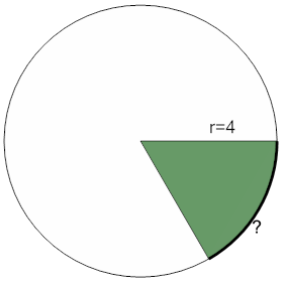
5



A sector with area 43.98 in a circle of radius 4 has what the arc length (to the closest integer)?

a	22	**b**	25
c	20	**d**	24
e	18	**f**	19

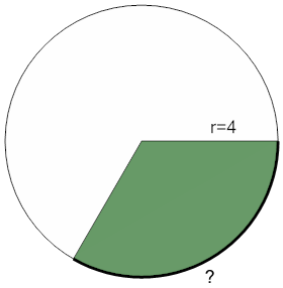
6



A sector with area 8.38 in a circle of radius 4 has what the arc length (to the closest integer)?

a	1	**b**	6
c	3	**d**	4
e	2	**f**	8

7



A sector with area 16.76 in a circle of radius 4 has what the arc length (to the closest integer)?

a	11	**b**	8
c	6	**d**	4
e	9	**f**	7