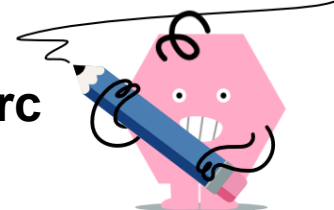


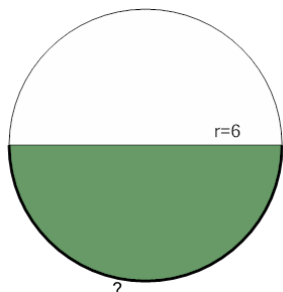


Area of a Circle Sector From Area to Arc Length (Equation)



1

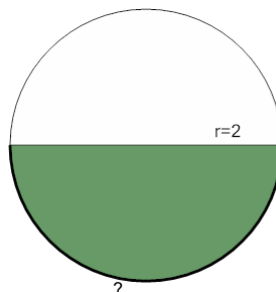
Find the arc length of the green shaded sector with area 18π in a circle of radius 6



A	8π	B	20π
C	$\frac{28}{11}\pi$	D	6π
E	$\frac{36}{7}\pi$		

2

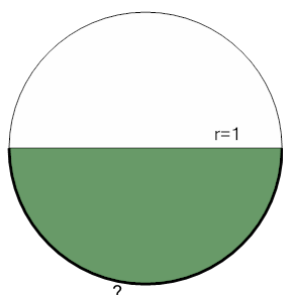
Find the arc length of the green shaded sector with area 2π in a circle of radius 2



A	$\frac{1}{3}\pi$	B	2π
C	$\frac{6}{13}\pi$	D	$\frac{13}{8}\pi$
E	$\frac{14}{11}\pi$		

3

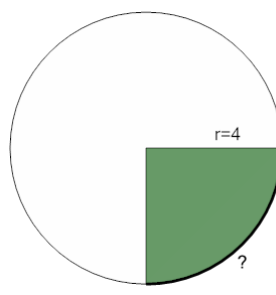
Find the arc length of the green shaded sector with area $\frac{1}{2}\pi$ in a circle of radius 1



A	$\frac{7}{12}\pi$	B	12π
C	1π	D	$\frac{1}{2}\pi$

4

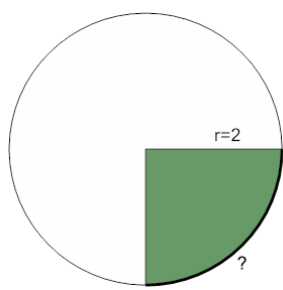
Find the arc length of the green shaded sector with area 4π in a circle of radius 4



A	$\frac{1}{11}\pi$	B	$\frac{4}{11}\pi$
C	$\frac{1}{5}\pi$	D	2π
E	9π		

5

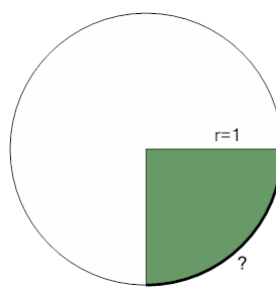
Find the arc length of the green shaded sector with area 1π in a circle of radius 2



A	$\frac{1}{2}\pi$	B	$\frac{5}{6}\pi$
C	$\frac{3}{5}\pi$	D	1π
E	$\frac{1}{3}\pi$		

6

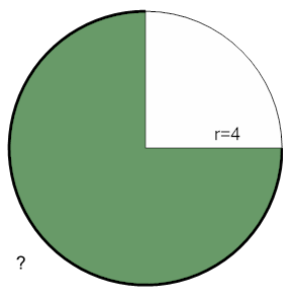
Find the arc length of the green shaded sector with area $\frac{1}{4}\pi$ in a circle of radius 1



A	$\frac{1}{2}\pi$	B	$\frac{5}{12}\pi$
C	$\frac{3}{13}\pi$	D	$\frac{10}{9}\pi$
E	$\frac{1}{3}\pi$		

7

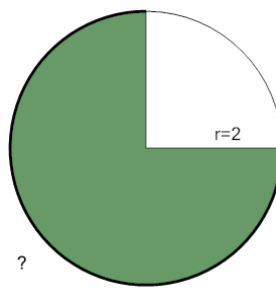
Find the arc length of the green shaded sector with area 12π in a circle of radius 4



A	10π	B	26π
C	$\frac{30}{7}\pi$	D	6π
E	$\frac{6}{2}\pi$		

8

Find the arc length of the green shaded sector with area 3π in a circle of radius 2



A	$\frac{15}{2}\pi$	B	3π
C	8π	D	$\frac{1}{3}\pi$
E	$\frac{10}{9}\pi$		