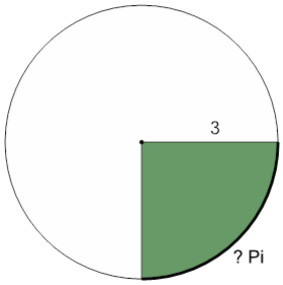
Math worksheet on *'Area of a Part Circle - Radius and Fraction to Arc Length (Pi Value) (Level 1)'*. Part of a broader unit on *'Geometry - Circle Partial Area and Circumference - Intro'*

Learn online:

app.mobius.academy/math/units/geometry_circles_partial_perimeter_area_intro/

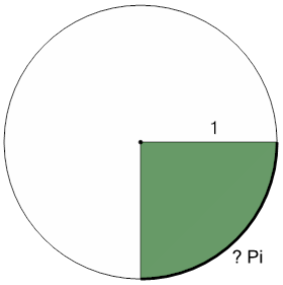
1



What is the arc length of a 1/4 sector of a circle if the radius is 3?

a $\frac{3}{2}\pi$	**b** $\frac{1}{8}\pi$
c $\frac{7}{10}\pi$	**d** $\frac{2}{5}\pi$
e $\frac{3}{5}\pi$	

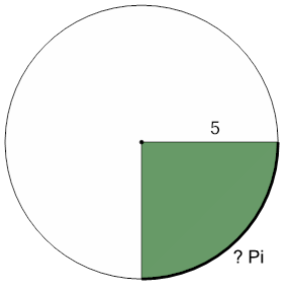
2



What is the arc length of a 1/4 sector of a circle if the radius is 1?

a $\frac{2}{5}\pi$	**b** $\frac{1}{5}\pi$
c $\frac{1}{2}\pi$	**d** 1π
e $\frac{3}{4}\pi$	

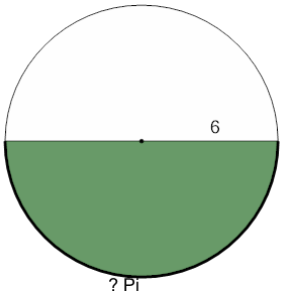
3



What is the arc length of a 1/4 sector of a circle if the radius is 5?

a 1π	**b** $\frac{9}{10}\pi$
c $\frac{5}{2}\pi$	**d** $\frac{1}{8}\pi$

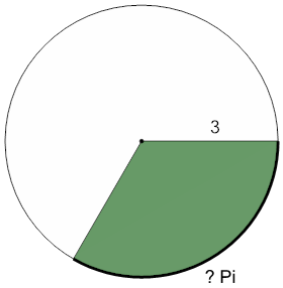
4



What is the arc length of a 2/4 sector of a circle if the radius is 6?

a $\frac{1}{2}\pi$	**b** 1π
c $\frac{1}{3}\pi$	**d** 6π

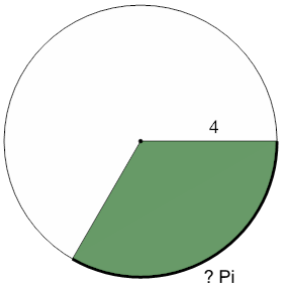
5



What is the arc length of a 1/3 sector of a circle if the radius is 3?

a 2π	**b** $\frac{1}{10}\pi$
c $\frac{1}{2}\pi$	**d** $\frac{1}{5}\pi$

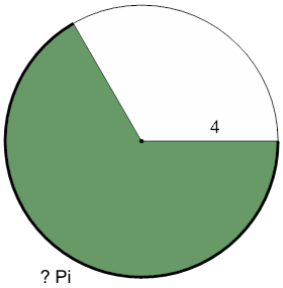
6



What is the arc length of a 1/3 sector of a circle if the radius is 4?

a 1π	**b** $\frac{8}{3}\pi$
c $\frac{1}{2}\pi$	**d** $\frac{2}{3}\pi$

7



What is the arc length of a 2/3 sector of a circle if the radius is 4?

a $\frac{1}{5}\pi$	**b** $\frac{2}{3}\pi$
c $\frac{16}{3}\pi$	**d** 1π