Math worksheet on *'Circumference 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:

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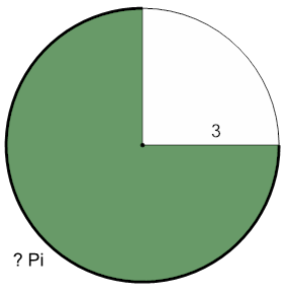
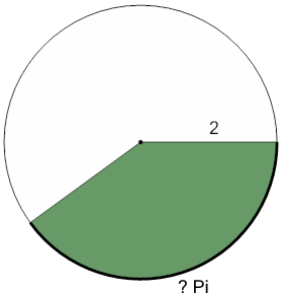
1



What is the arc length of 3/4 of the circle's circumference if the radius is 3?

a $\frac{9}{2}\pi$	**b** $\frac{3}{4}\pi$
c $\frac{1}{2}\pi$	**d** $\frac{1}{5}\pi$

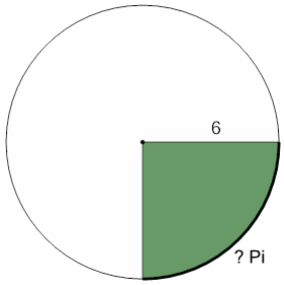
2



What is the arc length of 2/5 of the circle's circumference if the radius is 2?

a $\frac{1}{2}\pi$	**b** $\frac{2}{5}\pi$
c $\frac{8}{5}\pi$	**d** $\frac{3}{4}\pi$
e $\frac{1}{3}\pi$	

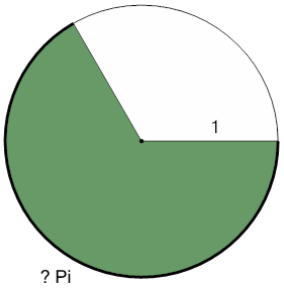
3



What is the arc length of 1/4 of the circle's circumference if the radius is 6?

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

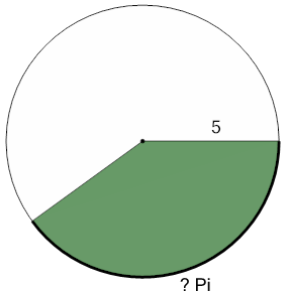
4



What is the arc length of 2/3 of the circle's circumference if the radius is 1?

a $\frac{5}{8}\pi$	**b** 1π
c $\frac{4}{3}\pi$	**d** $\frac{1}{2}\pi$
e $\frac{1}{3}\pi$	

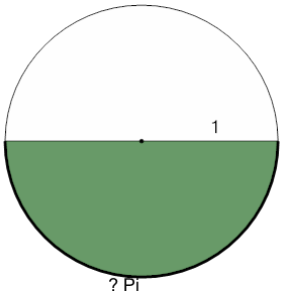
5



What is the arc length of 2/5 of the circle's circumference if the radius is 5?

a $\frac{1}{2}\pi$	**b** 4π
c $\frac{2}{5}\pi$	**d** $\frac{1}{3}\pi$
e $\frac{5}{6}\pi$	

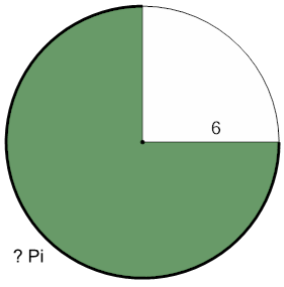
6



What is the arc length of 2/4 of the circle's circumference if the radius is 1?

a $\frac{3}{10}\pi$	**b** 1π
c $\frac{1}{5}\pi$	**d** $\frac{1}{4}\pi$
e $\frac{1}{2}\pi$	

7



What is the arc length of 3/4 of the circle's circumference if the radius is 6?

a 1π	**b** 9π
c $\frac{1}{2}\pi$	**d** $\frac{4}{5}\pi$
e $\frac{3}{8}\pi$	