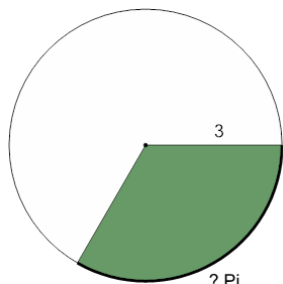




## Area of a Part Circle - Radius and Fraction to Arc Length (Pi Value)

1

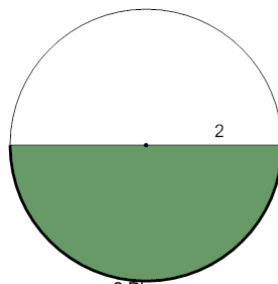
What is the arc length of a  $\frac{1}{3}$  sector of a circle if the radius is 3?



- |                     |                    |
|---------------------|--------------------|
| A $\frac{3}{2}\pi$  | B $\frac{1}{4}\pi$ |
| C $\frac{1}{5}\pi$  | D $2\pi$           |
| E $\frac{3}{10}\pi$ |                    |

2

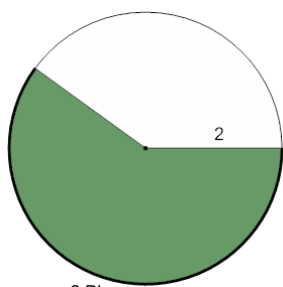
What is the arc length of a  $\frac{2}{4}$  sector of a circle if the radius is 2?



- |                    |                    |
|--------------------|--------------------|
| A $1\pi$           | B $\frac{1}{3}\pi$ |
| C $\frac{5}{2}\pi$ | D $\frac{2}{3}\pi$ |
| E $2\pi$           |                    |

3

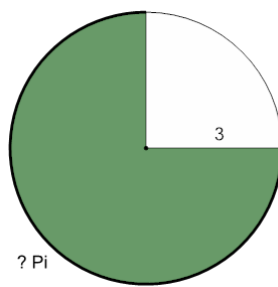
What is the arc length of a  $\frac{3}{5}$  sector of a circle if the radius is 2?



- |                     |                     |
|---------------------|---------------------|
| A $\frac{12}{5}\pi$ | B $\frac{9}{5}\pi$  |
| C $\frac{17}{8}\pi$ | D $\frac{23}{6}\pi$ |
| E $\frac{19}{2}\pi$ |                     |

4

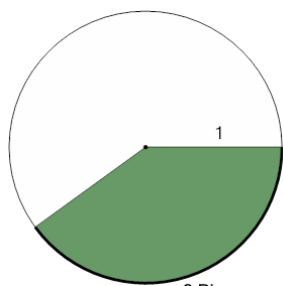
What is the arc length of a  $\frac{3}{4}$  sector of a circle if the radius is 3?



- |                     |                    |
|---------------------|--------------------|
| A $\frac{17}{8}\pi$ | B $\frac{4}{3}\pi$ |
| C $\frac{5}{2}\pi$  | D $\frac{5}{6}\pi$ |
| E $\frac{9}{2}\pi$  |                    |

5

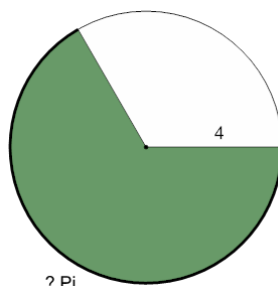
What is the arc length of a  $\frac{2}{5}$  sector of a circle if the radius is 1?



- |                    |                    |
|--------------------|--------------------|
| A $2\pi$           | B $1\pi$           |
| C $\frac{1}{2}\pi$ | D $\frac{4}{5}\pi$ |
|                    |                    |

6

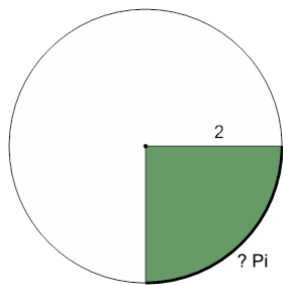
What is the arc length of a  $\frac{2}{3}$  sector of a circle if the radius is 4?



- |                     |                      |
|---------------------|----------------------|
| A $\frac{16}{3}\pi$ | B $\frac{11}{10}\pi$ |
| C $3\pi$            | D $\frac{28}{3}\pi$  |
| E $2\pi$            |                      |

7

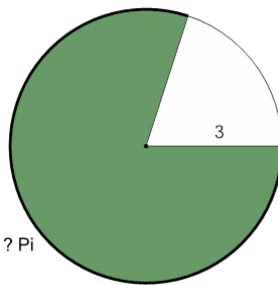
What is the arc length of a  $\frac{1}{4}$  sector of a circle if the radius is 2?



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

8

What is the arc length of a  $\frac{4}{5}$  sector of a circle if the radius is 3?



- |                     |                     |
|---------------------|---------------------|
| A $\frac{11}{8}\pi$ | B $16\pi$           |
| C $\frac{23}{5}\pi$ | D $\frac{24}{5}\pi$ |
| E $9\pi$            |                     |