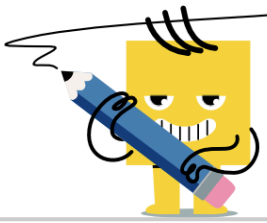
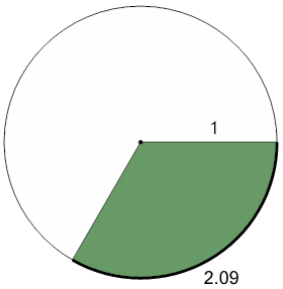
Name

Area of a Part Circle - Radius and Arc Length to Fraction (Decimal)



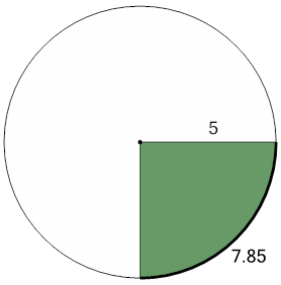
1



What fraction of the circle's area is shaded if the radius is 1 and the arc length is 2.09?

A	$\frac{1}{8}$	B	$\frac{1}{2}$
C	$\frac{1}{4}$	D	$\frac{1}{3}$
E	$\frac{3}{2}$		

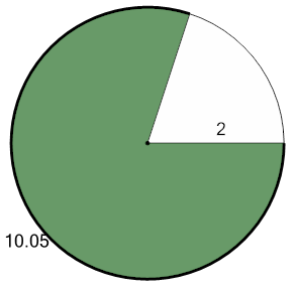
2



What fraction of the circle's area is shaded if the radius is 5 and the arc length is 7.85?

A	1	B	$\frac{1}{4}$
C	$\frac{1}{2}$		

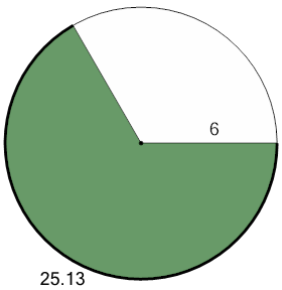
3



What fraction of the circle's area is shaded if the radius is 2 and the arc length is 10.05?

A	$\frac{5}{6}$	B	$\frac{9}{8}$
C	$\frac{1}{2}$	D	2
E	$\frac{4}{5}$		

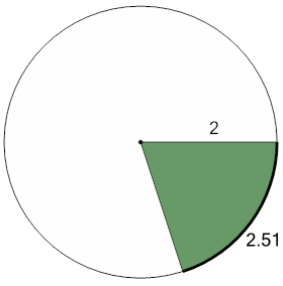
4



What fraction of the circle's area is shaded if the radius is 6 and the arc length is 25.13?

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

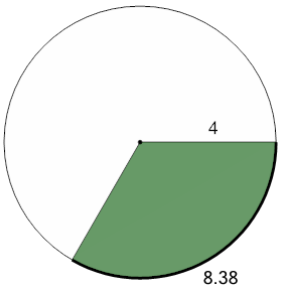
5



What fraction of the circle's area is shaded if the radius is 2 and the arc length is 2.51?

A	$\frac{1}{2}$	B	$\frac{1}{5}$
C	$\frac{3}{10}$	D	1
E	$\frac{1}{8}$		

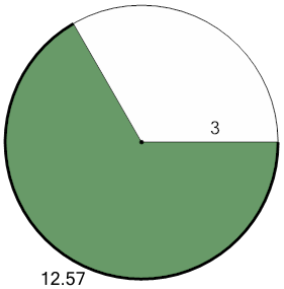
6



What fraction of the circle's area is shaded if the radius is 4 and the arc length is 8.38?

A	$\frac{1}{3}$	B	$\frac{3}{4}$
C	$\frac{3}{8}$	D	$\frac{3}{2}$
E	$\frac{1}{5}$		

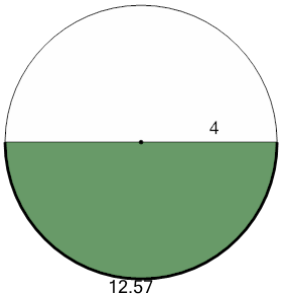
7



What fraction of the circle's area is shaded if the radius is 3 and the arc length is 12.57?

A	$\frac{2}{3}$	B	$\frac{4}{5}$
C	$\frac{5}{6}$	D	$\frac{1}{5}$
E	$\frac{5}{4}$		

8



What fraction of the circle's area is shaded if the radius is 4 and the arc length is 12.57?

A	$\frac{1}{5}$	B	$\frac{1}{10}$
C	$\frac{3}{8}$	D	$\frac{1}{2}$
E	$\frac{1}{8}$		