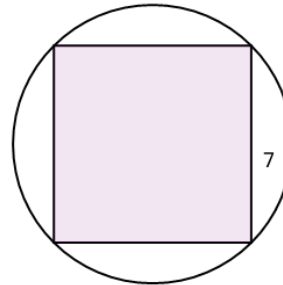




Math worksheet on 'Inscribed Square in Circle - Square Side Length to Circle Area (Level 1)'. Part of a broader unit on 'Inscribed Squares and Circles - Intro'

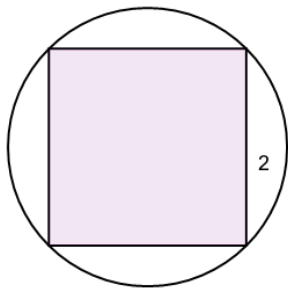
Learn online: app.mobius.academy/math/units/inscribed_squares_and_circles_intro/

- 1** Find the area of the circle that has a square inscribed with side length 7



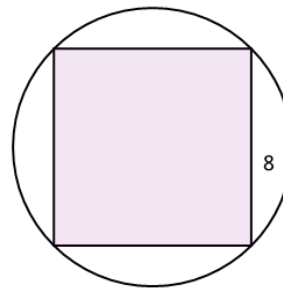
a	14π	b	$\frac{49}{\pi}$	c	$\frac{7^2}{2}\pi$
d	$\frac{49^2}{2}\pi$	e	$\frac{3^2}{2}\pi$	f	$2\sqrt{\frac{25}{2}}$

- 2** Find the area of the circle that has a square inscribed with side length 2



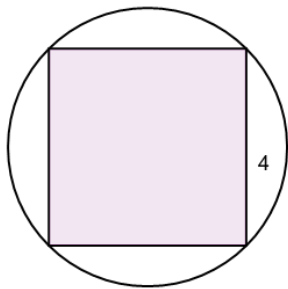
a	$\frac{2^2}{2}\pi$	b	$\frac{4}{\pi}$	c	$2\sqrt{\frac{4}{2\pi}}$
d	$\frac{2^2}{2}\pi$	e	$\frac{1^2}{2}\pi$	f	$2\sqrt{\frac{2}{2\pi}}$

- 3** Find the area of the circle that has a square inscribed with side length 8



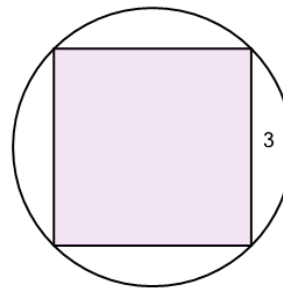
a	$\frac{4^2}{2}\pi$	b	$\frac{8^2}{2}\pi$	c	$\frac{128}{2}\sqrt{2}$
d	$\frac{16^2}{2}\pi$	e	$\frac{64}{\pi}$	f	

- 4** Find the area of the circle that has a square inscribed with side length 4



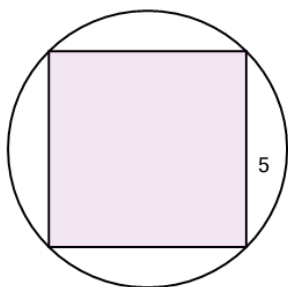
a	$\frac{32}{2}\sqrt{2}$	b	$\frac{16}{\pi}$	c	$\frac{2^2}{2}\pi$
d	16	e	$\frac{8^2}{2}\pi$	f	$\frac{4^2}{2}\pi$

- 5** Find the area of the circle that has a square inscribed with side length 3



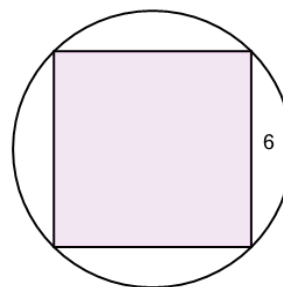
a	5π	b	$4\sqrt{9}$	c	$\frac{18^2}{2}\pi$
d	$\frac{3^2}{2}\pi$	e	$\frac{1^2}{2}\pi$	f	$\frac{9}{\pi}$

- 6** Find the area of the circle that has a square inscribed with side length 5



a	$\frac{10^2}{2}\pi$	b	$\frac{50}{\pi}$	c	$2\sqrt{\frac{13}{2\pi}}$
d	$\frac{2^2}{2}\pi$	e	$(\sqrt{50})^2\pi$	f	$\frac{5^2}{2}\pi$

- 7** Find the area of the circle that has a square inscribed with side length 6



a	$2\sqrt{\frac{12}{2\pi}}$	b	12	c	$\frac{72}{\pi}$
d	$\frac{3^2}{2}\pi$	e	$\frac{18}{\pi}$	f	$\frac{6^2}{2}\pi$