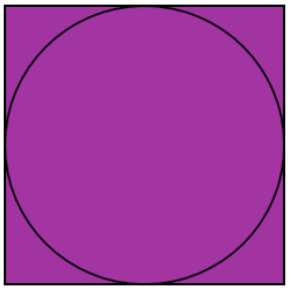
mobius

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

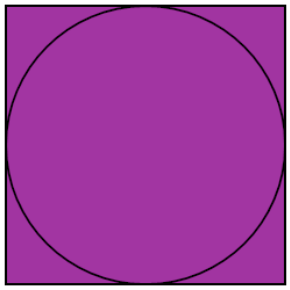
Learn online: app.mobius.academy/math/units/inscribed_squares_and_circles_intro/

1 Find the area of the circle inscribed in a square with area 9



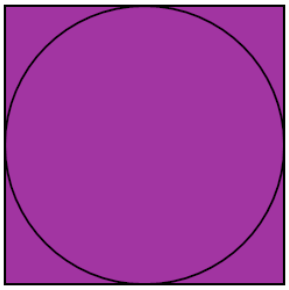
a	b	c
$\frac{18}{4}\pi$	$\frac{9^2}{2}\pi$	$\frac{5^2}{2}\pi$
d	**e**	**f**
9	$\frac{9}{4}\pi$	$(\sqrt{9})^2\pi$

2 Find the area of the circle inscribed in a square with area 4



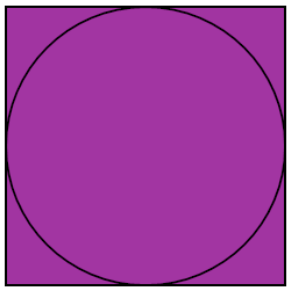
a	b	c
4π	$\frac{8}{4}\pi$	$4\sqrt{8}$
d	**e**	
$\frac{4}{4}\pi$	$\frac{4^2}{2}\pi$	

3 Find the area of the circle inscribed in a square with area 16



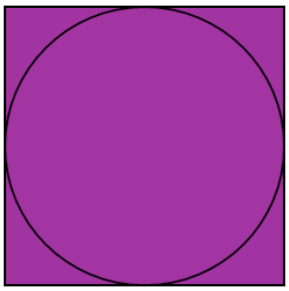
a	b	c
$\frac{16}{4}\pi$	$\frac{16^2}{2}\pi$	8π
d	**e**	**f**
$2\sqrt{\frac{8}{2}}$	$\frac{32}{4}\pi$	$(\sqrt{8})^2\pi$

4 Find the area of the circle inscribed in a square with area 64



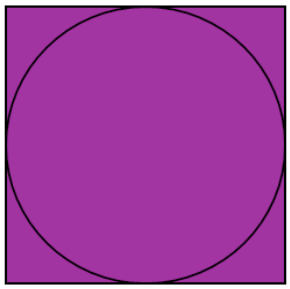
a	b	c
32π	64	$\frac{128}{4}\pi$
d	**e**	**f**
$\frac{32^2}{2}\pi$	$4\sqrt{32}$	$\frac{64}{4}\pi$

5 Find the area of the circle inscribed in a square with area 25



a	b	c
$2\sqrt{\frac{10}{2}}$	$\frac{10^2}{2}\pi$	$2\sqrt{\frac{10}{2\pi}}$
d	**e**	**f**
$\frac{25}{4}\pi$	$2\sqrt{\frac{25}{2\pi}}$	$\frac{50}{4}\pi$

6 Find the area of the circle inscribed in a square with area 36



a	b	c
$\frac{72^2}{2}\pi$	$\frac{72}{4}\pi$	$\frac{72}{2}\sqrt{2}$
d	**e**	**f**
72	$2\sqrt{\frac{72}{2\pi}}$	$\frac{36}{4}\pi$

