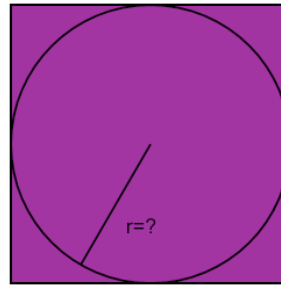




Math worksheet on 'Inscribed Circle in Square - Square Area to Circle Radius (Level 1)'. Part of a broader unit on 'Inscribed Squares and Circles - Intro'

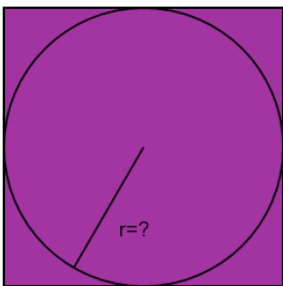
Learn online: app.mobius.academy/math/units/inscribed_squares_and_circles_intro/

- 1** Find the radius of the circle inscribed in a square with area 49



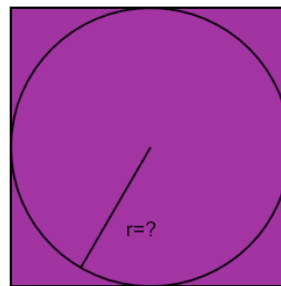
a	b	c
14	98π	$\frac{\sqrt{49}}{2}$
d	e	f
$\frac{\sqrt{24}}{2}$	98	$\frac{98^2}{2}\pi$

- 2** Find the radius of the circle inscribed in a square with area 25



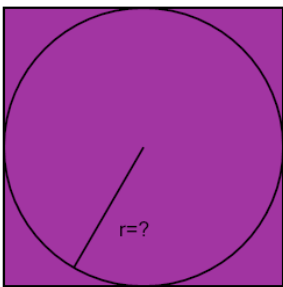
a	b	c
$\frac{13^2}{2}\pi$	50	$\frac{\sqrt{25}}{2}$
d	e	f
$\frac{\sqrt{12}}{2}$	$(\sqrt{25})^2\pi$	$\frac{50^2}{2}\pi$

- 3** Find the radius of the circle inscribed in a square with area 9



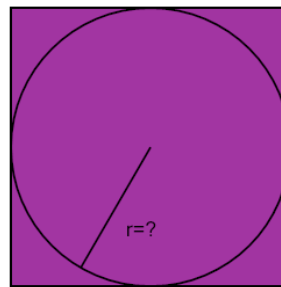
a	b	c
$\frac{\sqrt{4}}{2}$	$2\sqrt{\frac{9}{2\pi}}$	$\frac{9^2}{2}\pi$
d	e	f
$(\sqrt{6})^2\pi$	$\frac{\sqrt{9}}{2}$	$\frac{5^2}{2}\pi$

- 4** Find the radius of the circle inscribed in a square with area 16



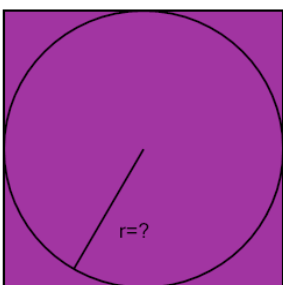
a	b	c
$2\sqrt{\frac{32}{2\pi}}$	$\frac{\sqrt{16}}{2}$	$\frac{32^2}{2}\pi$
d	e	f
$\frac{\sqrt{8}}{2}$	$2\sqrt{\frac{16}{2}}$	$\frac{8^2}{2}\pi$

- 5** Find the radius of the circle inscribed in a square with area 64



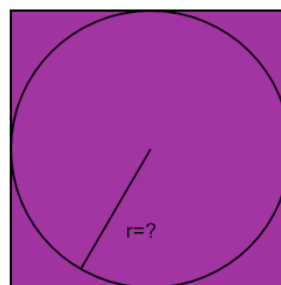
a	b	c
$4\sqrt{16}$	$\frac{\sqrt{32}}{2}$	$\frac{\sqrt{64}}{2}$
d	e	f
$2\sqrt{\frac{16}{2}}$	$\frac{16^2}{2}\pi$	$(\sqrt{32})^2\pi$

- 6** Find the radius of the circle inscribed in a square with area 4



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

- 7** Find the radius of the circle inscribed in a square with area 36



a	b	c
18	$\frac{\sqrt{18}}{2}$	72π
d	e	f
$2\sqrt{\frac{72}{2\pi}}$	$(\sqrt{36})^2\pi$	$\frac{\sqrt{36}}{2}$