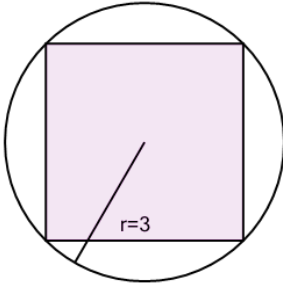




Math worksheet on 'Inscribed Square in Circle - Circle Radius to Square Side Length (Level 1)'. Part of a broader unit on 'Inscribed Squares and Circles - Intro'

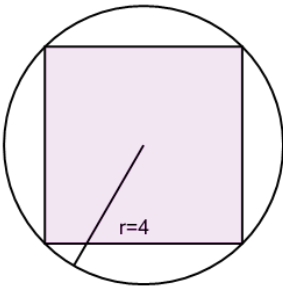
Learn online: app.mobius.academy/math/units/inscribed_squares_and_circles_intro/

1 Find the side length of a square inscribed in a circle with radius 3



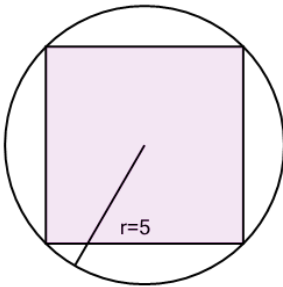
a	$\frac{18}{\pi}$	b	$2\sqrt{\frac{3}{2}}$	c	$2\sqrt{\frac{6}{2}}$
d	$\frac{18^2}{2} \pi$	e	$2\sqrt{\frac{9}{2}}$	f	9

2 Find the side length of a square inscribed in a circle with radius 4



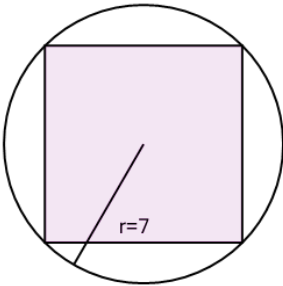
a	$2\sqrt{\frac{16}{2}}$	b	16	c	$\frac{16^2}{2} \pi$
d	$2\sqrt{\frac{4}{2}}$	e	32	f	$\frac{16^2}{2} \pi$

3 Find the side length of a square inscribed in a circle with radius 5



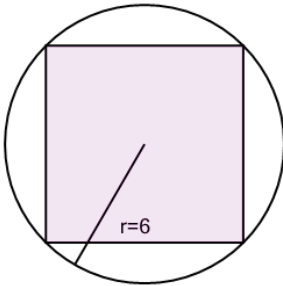
a	$\frac{25^2}{2} \pi$	b	$2\sqrt{\frac{5}{2}}$	c	$\frac{10^2}{2} \pi$
d	$2\sqrt{\frac{25}{2}}$	e	$2\sqrt{\frac{50}{2\pi}}$	f	$2\sqrt{\frac{25}{2\pi}}$

4 Find the side length of a square inscribed in a circle with radius 7



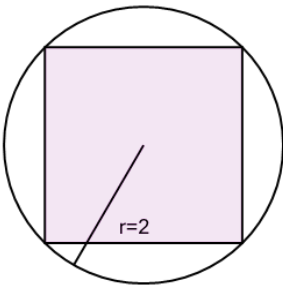
a	25	b	$2\sqrt{\frac{98}{2\pi}}$	c	$2\sqrt{\frac{7}{2}}$
d	$2\sqrt{\frac{14}{2\pi}}$	e	$2\sqrt{\frac{49}{2}}$	f	$\frac{49}{2} \sqrt{2}$

5 Find the side length of a square inscribed in a circle with radius 6



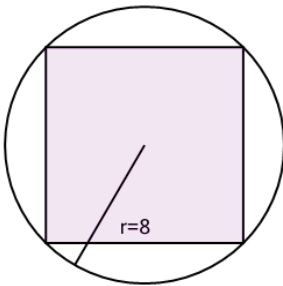
a	$\frac{36^2}{2} \pi$	b	$\frac{18^2}{2} \pi$	c	$(\sqrt{36})^2 \pi$
d	$2\sqrt{\frac{36}{2}}$	e	$2\sqrt{\frac{6}{2}}$	f	$\frac{36}{\pi}$

6 Find the side length of a square inscribed in a circle with radius 2



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

7 Find the side length of a square inscribed in a circle with radius 8



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