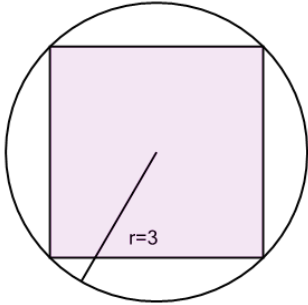


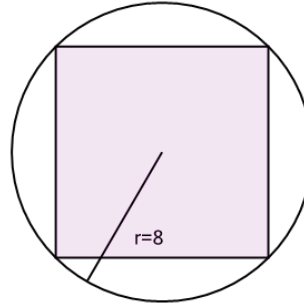
Inscribed Square in Circle - Circle Radius to Square Side Length

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



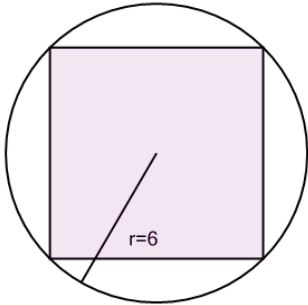
- | | | |
|--------------------------|-----------------------|-----------------------|
| A | B | C |
| $2\sqrt{\frac{6}{2}}$ | 9π | $(\sqrt{9})^2 \pi$ |
| D | E | F |
| $2\sqrt{\frac{9}{2\pi}}$ | $2\sqrt{\frac{3}{2}}$ | $2\sqrt{\frac{9}{2}}$ |

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



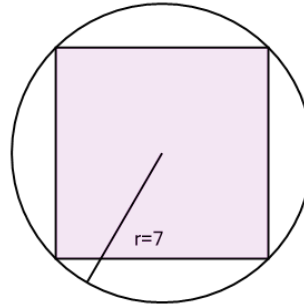
- | | |
|-----------------------|------------------------|
| A | B |
| $(\sqrt{128})^2 \pi$ | $2\sqrt{\frac{64}{2}}$ |
| C | D |
| $\frac{64}{\pi}$ | $2\sqrt{\frac{16}{2}}$ |
| E | F |
| $2\sqrt{\frac{8}{2}}$ | 32π |

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



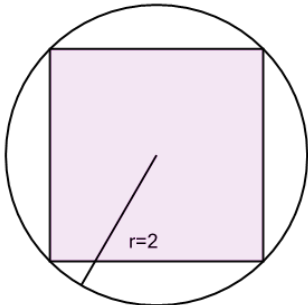
- | | | |
|---------------------------|------------------------|-----------------------|
| A | B | C |
| $\frac{18}{\pi}$ | $(\sqrt{12})^2 \pi$ | $2\sqrt{\frac{6}{2}}$ |
| D | E | F |
| $2\sqrt{\frac{12}{2\pi}}$ | $2\sqrt{\frac{36}{2}}$ | $4\sqrt{36}$ |

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



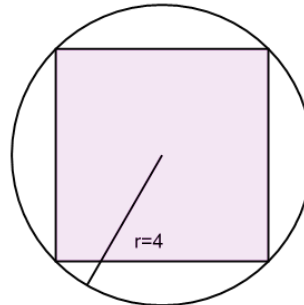
- | | | |
|---------------------------|------------------------|------------------------|
| A | B | C |
| $2\sqrt{\frac{49}{2\pi}}$ | $2\sqrt{\frac{49}{2}}$ | $(\sqrt{49})^2 \pi$ |
| D | E | F |
| $2\sqrt{\frac{25}{2}}$ | $2\sqrt{\frac{7}{2}}$ | $2\sqrt{\frac{14}{2}}$ |

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



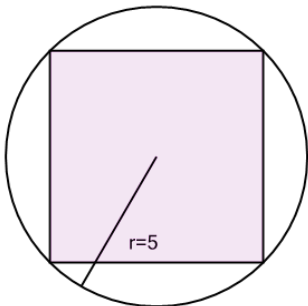
- | | | |
|--------------------------|--------------------------|------------------------|
| A | B | C |
| $2\sqrt{\frac{2}{2\pi}}$ | $2\sqrt{\frac{4}{2\pi}}$ | $\frac{4}{2} \sqrt{2}$ |
| D | E | F |
| $\frac{4^2}{2} \pi$ | $2\sqrt{\frac{4}{2}}$ | $2\sqrt{\frac{2}{2}}$ |

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



- | | | |
|------------------------|-----------------------|---------------------|
| A | B | C |
| $2\sqrt{\frac{16}{2}}$ | $2\sqrt{\frac{4}{2}}$ | $\frac{8^2}{2} \pi$ |
| D | E | F |
| $2\sqrt{\frac{32}{2}}$ | $\frac{8^2}{2} \pi$ | $\frac{16}{\pi}$ |

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



- | | | |
|-----------------------|---------------------------|---------------------------|
| A | B | C |
| $\frac{50^2}{2} \pi$ | $2\sqrt{\frac{25}{2}}$ | $2\sqrt{\frac{25}{2\pi}}$ |
| D | E | F |
| $2\sqrt{\frac{5}{2}}$ | $2\sqrt{\frac{50}{2\pi}}$ | $(\sqrt{13})^2 \pi$ |