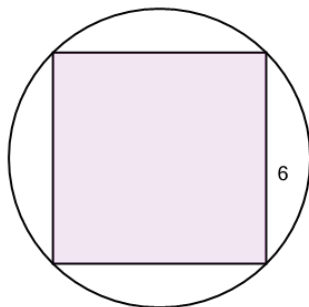


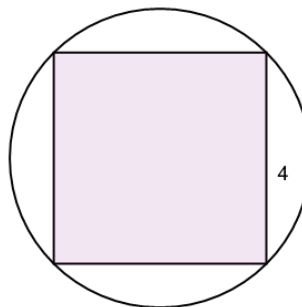
Inscribed Square in Circle - Square Side Length to Circle Area

1 Find the area of the circle that has a 6x6 square inscribed



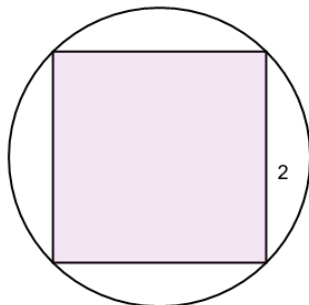
- | | | |
|------------------------|------------------------|-----------------------------|
| A $\frac{72^2}{2} \pi$ | B $\frac{6^2}{2} \pi$ | C $\frac{3^2}{2} \pi$ |
| D $\frac{18^2}{2} \pi$ | E $\frac{12^2}{2} \pi$ | F $2\sqrt{\frac{18}{2\pi}}$ |

2 Find the area of the circle that has a 4x4 square inscribed



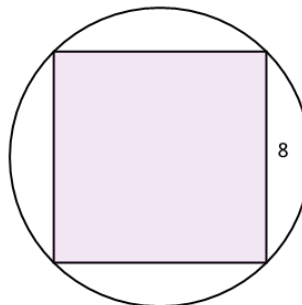
- | | | |
|-----------------------------|-----------------------|--------------------|
| A $2\sqrt{\frac{32}{2\pi}}$ | B $\frac{2^2}{2} \pi$ | C $\frac{16}{\pi}$ |
| D $\frac{4^2}{2} \pi$ | E $(\sqrt{32})^2 \pi$ | F 8π |

3 Find the area of the circle that has a 2x2 square inscribed



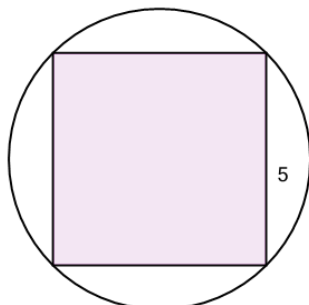
- | | | |
|-----------------------|-------------------|-----------------------|
| A $\frac{1^2}{2} \pi$ | B $\frac{8}{\pi}$ | C $\frac{4^2}{2} \pi$ |
| D $\frac{2^2}{2} \pi$ | E 8π | F $\frac{8^2}{2} \pi$ |

4 Find the area of the circle that has a 8x8 square inscribed



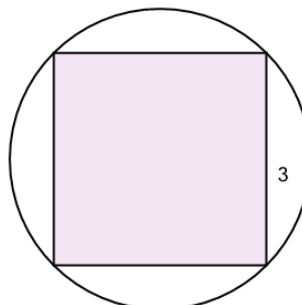
- | | |
|---------------------------|------------------------------|
| A $\frac{4^2}{2} \pi$ | B $\frac{8^2}{2} \pi$ |
| C $\frac{128^2}{2} \pi$ | D $(\sqrt{128})^2 \pi$ |
| E $2\sqrt{\frac{128}{2}}$ | F $2\sqrt{\frac{128}{2\pi}}$ |

5 Find the area of the circle that has a 5x5 square inscribed



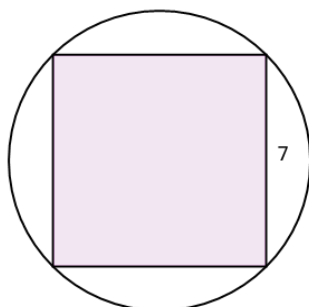
- | | | |
|------------------------|-----------------------|-----------------------|
| A $\frac{25^2}{2} \pi$ | B $\frac{2^2}{2} \pi$ | C $4\sqrt{13}$ |
| D $\frac{13^2}{2} \pi$ | E $\frac{10}{\pi}$ | F $\frac{5^2}{2} \pi$ |

6 Find the area of the circle that has a 3x3 square inscribed



- | | | |
|-------------------|----------------------------|-----------------------|
| A $\frac{9}{\pi}$ | B $2\sqrt{\frac{6}{2\pi}}$ | C $\frac{1^2}{2} \pi$ |
| D 6π | E $(\sqrt{9})^2 \pi$ | F $\frac{3^2}{2} \pi$ |

7 Find the area of the circle that has a 7x7 square inscribed



- | | | |
|------------------------|--------------------------|--------------------------|
| A $\frac{14^2}{2} \pi$ | B $4\sqrt{14}$ | C $2\sqrt{\frac{98}{2}}$ |
| D $\frac{7^2}{2} \pi$ | E $2\sqrt{\frac{49}{2}}$ | F $\frac{3^2}{2} \pi$ |