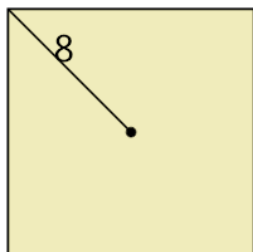


## Pythagoras in Squares - Center Hypotenuse to Side Equation

1

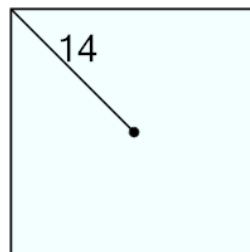


Side = ?

Find the length of the square sides, given a diagonal to the center of length 8

A	B
$2 \cdot \sqrt{\frac{8^2}{2}}$	$2 \cdot \sqrt{\frac{8^2}{\sqrt{2}}}$

2

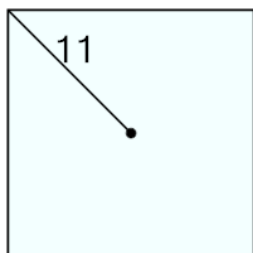


Side = ?

Find the length of the square sides, given a diagonal to the center of length 14

A	B
$2 \cdot \sqrt{\frac{14^2}{\sqrt{2}}}$	$2 \cdot \sqrt{\frac{14^2}{2}}$

3

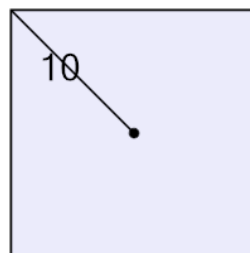


Side = ?

Find the length of the square sides, given a diagonal to the center of length 11

A	B
$2 \cdot \sqrt{\frac{11^2}{2}}$	$2 \cdot \sqrt{\frac{11^2}{\sqrt{2}}}$

4

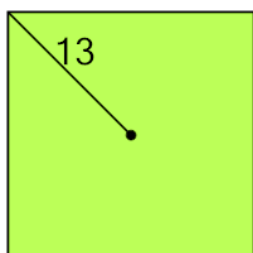


Side = ?

Find the length of the square sides, given a diagonal to the center of length 10

A	B
$2 \cdot \sqrt{\frac{10^2}{\sqrt{2}}}$	$2 \cdot \sqrt{\frac{10^2}{2}}$

5

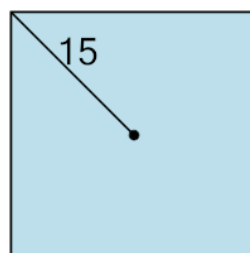


Side = ?

Find the length of the square sides, given a diagonal to the center of length 13

A	B
$2 \cdot \sqrt{\frac{13^2}{\sqrt{2}}}$	$2 \cdot \sqrt{\frac{13^2}{2}}$

6

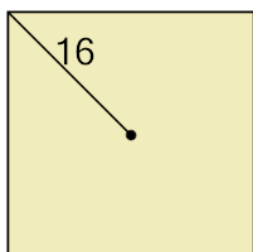


Side = ?

Find the length of the square sides, given a diagonal to the center of length 15

A	B
$2 \cdot \sqrt{\frac{15^2}{2}}$	$2 \cdot \sqrt{\frac{15^2}{\sqrt{2}}}$

7

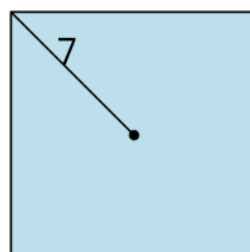


Side = ?

Find the length of the square sides, given a diagonal to the center of length 16

A	B
$2 \cdot \sqrt{\frac{16^2}{\sqrt{2}}}$	$2 \cdot \sqrt{\frac{16^2}{2}}$

8



Side = ?

Find the length of the square sides, given a diagonal to the center of length 7

A	B
$2 \cdot \sqrt{\frac{7^2}{2}}$	$2 \cdot \sqrt{\frac{7^2}{\sqrt{2}}}$