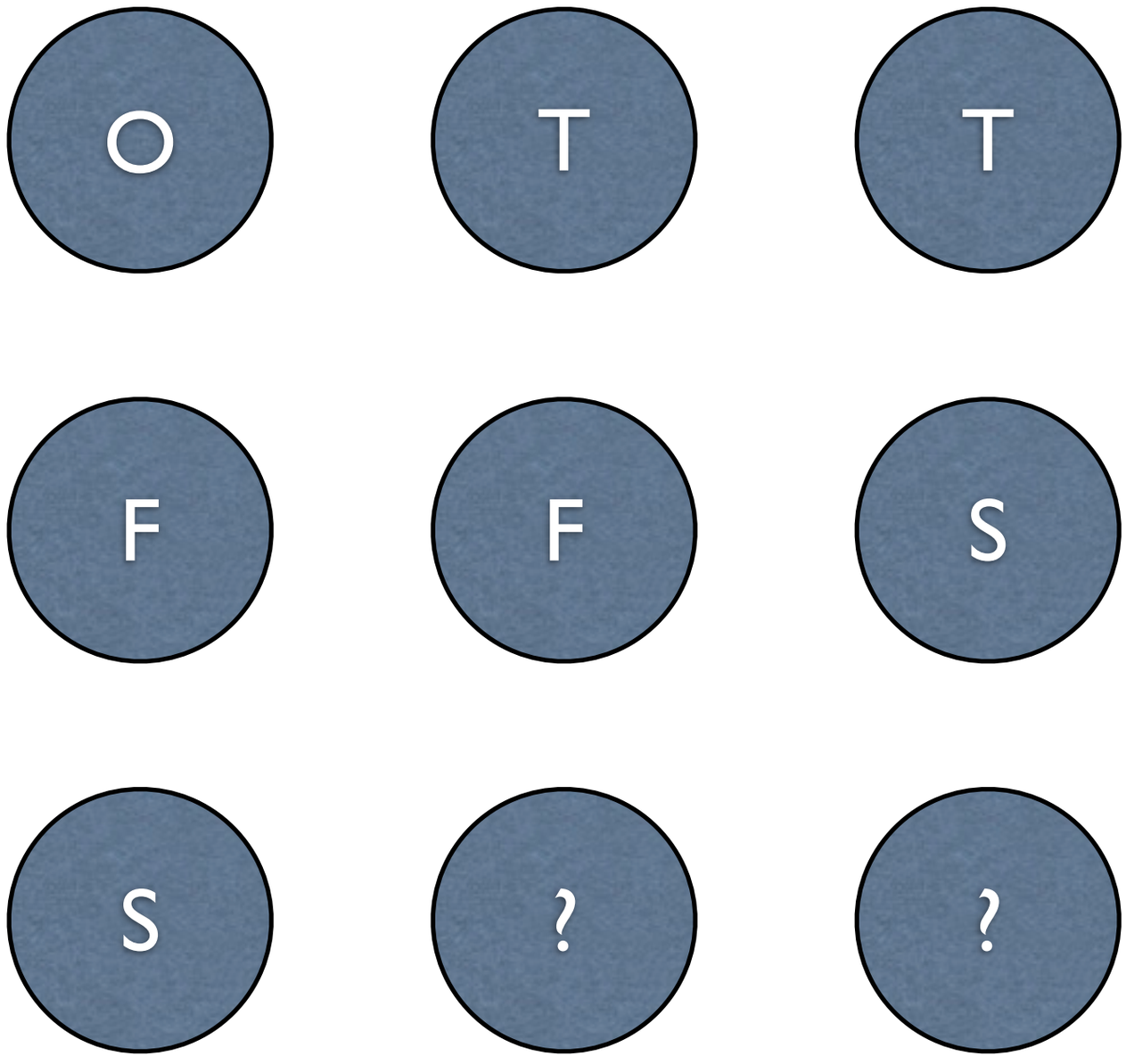
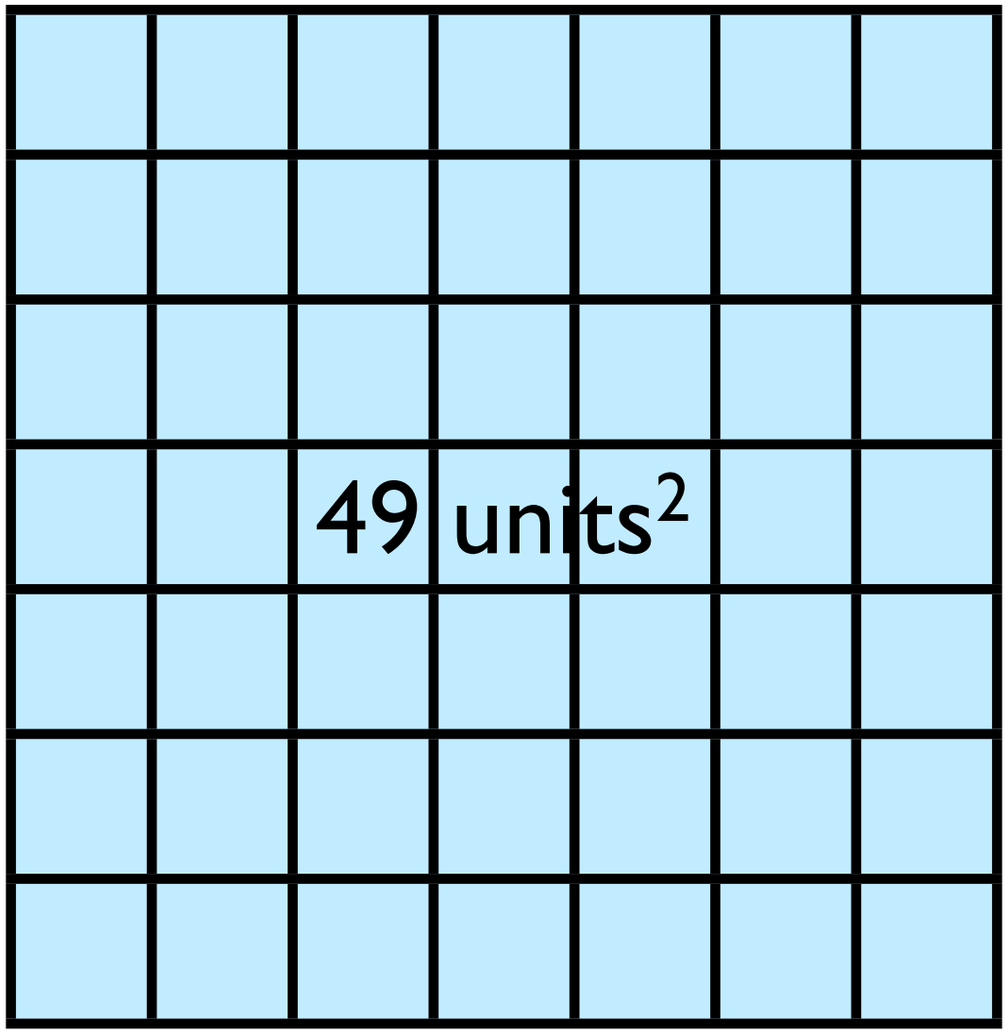
Brainteaser

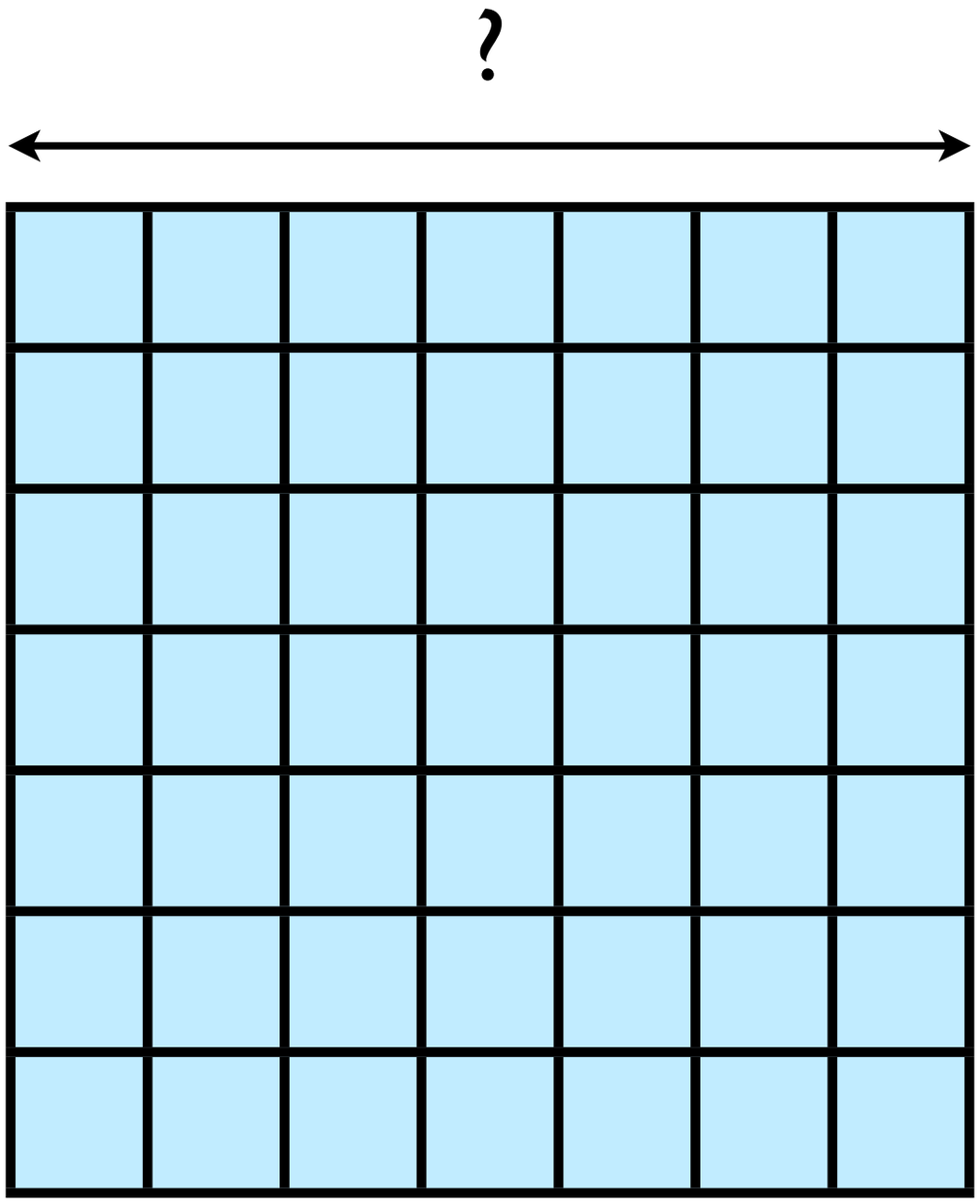


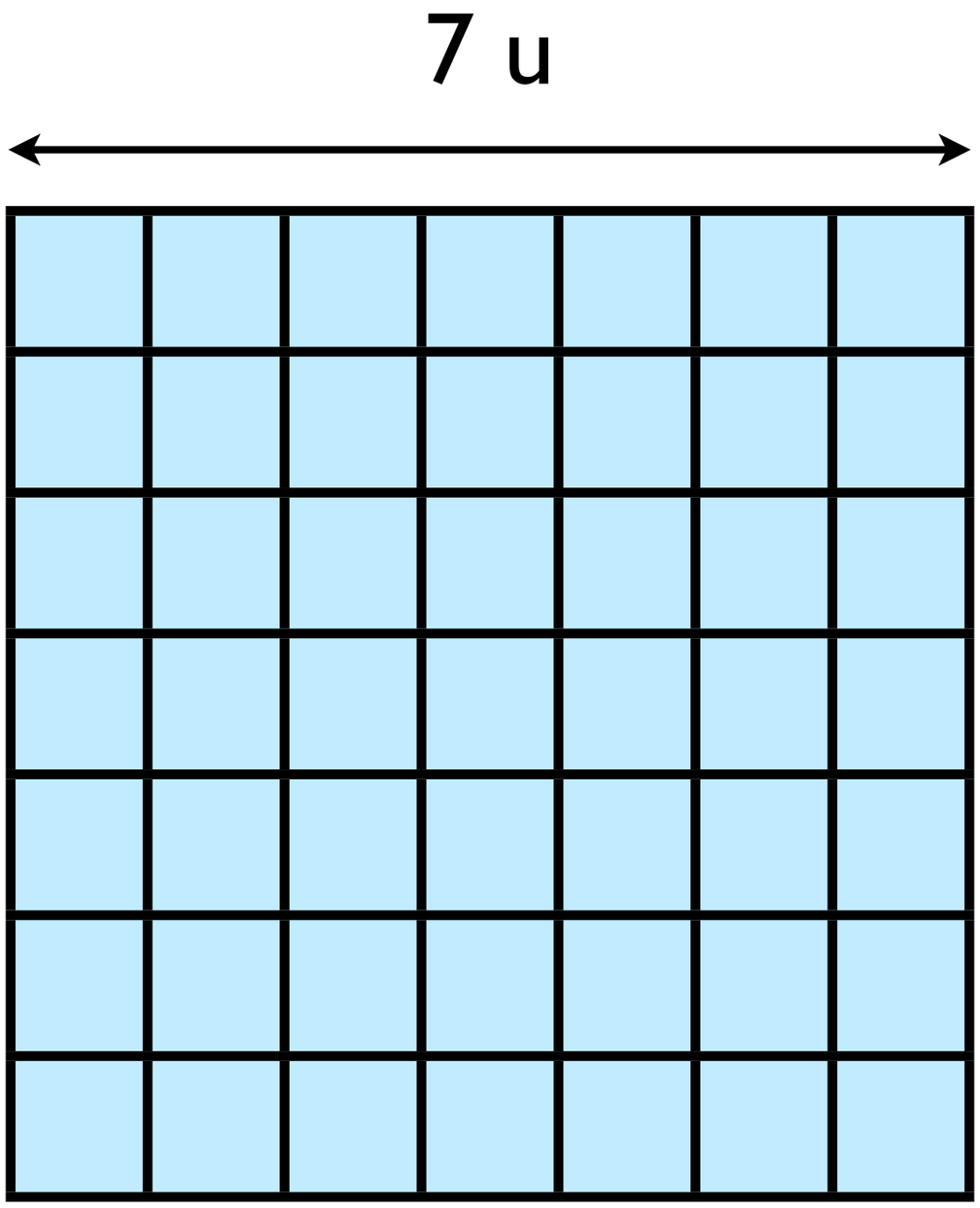
Fill in the missing letters in the logical sequence.

$$\sqrt{49} \longleftrightarrow 7$$

$$49 \longleftrightarrow 7^2$$


49 units²



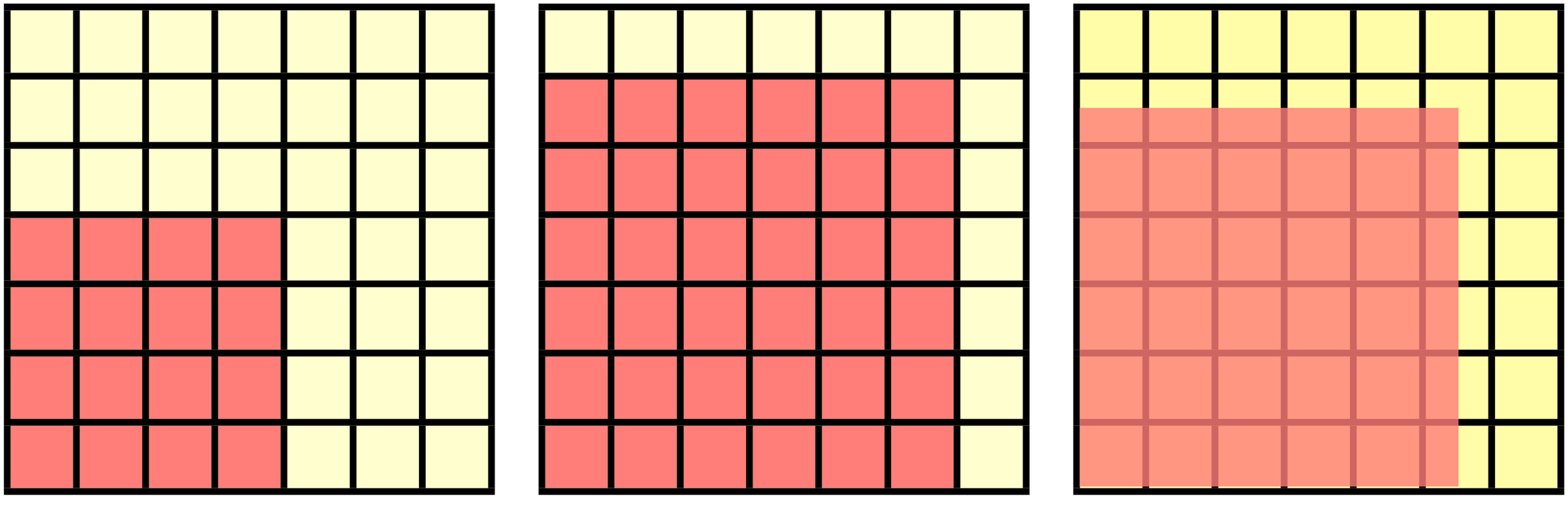


$\sqrt{49\ u^2} \longleftrightarrow 7$

Area to Side Length

- To find the side length of any square, you find the square root of the area.
- If you know the side length, you can find the area, by simply squaring the side length.

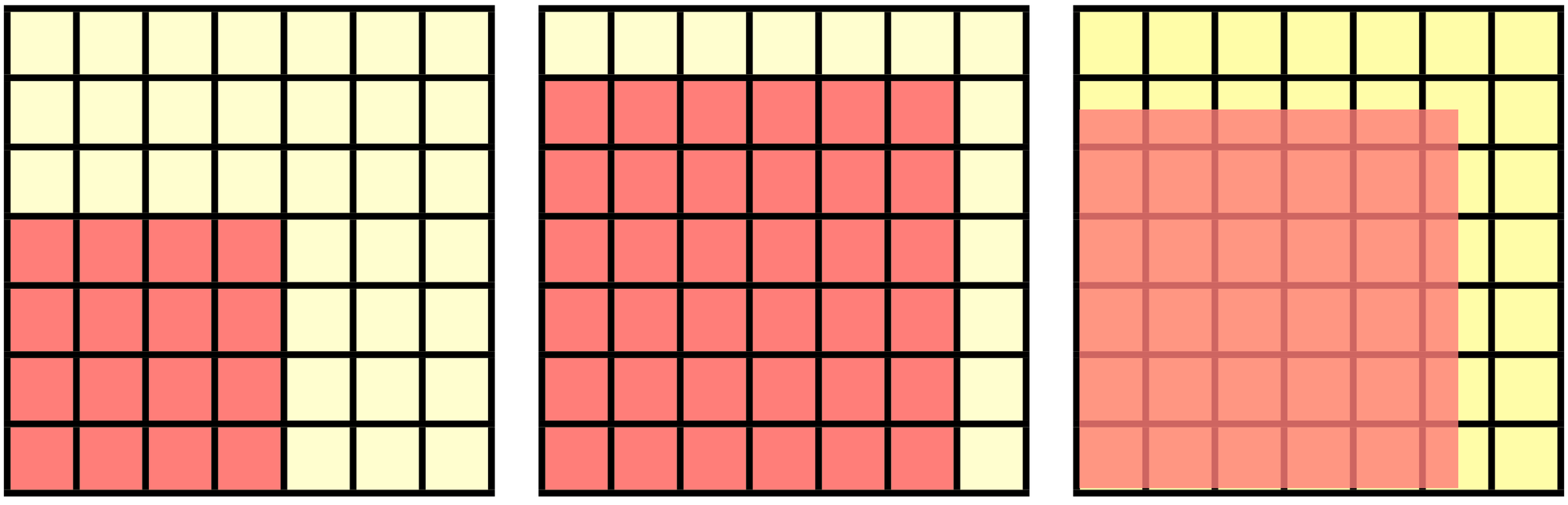
What are the side lengths of these squares?



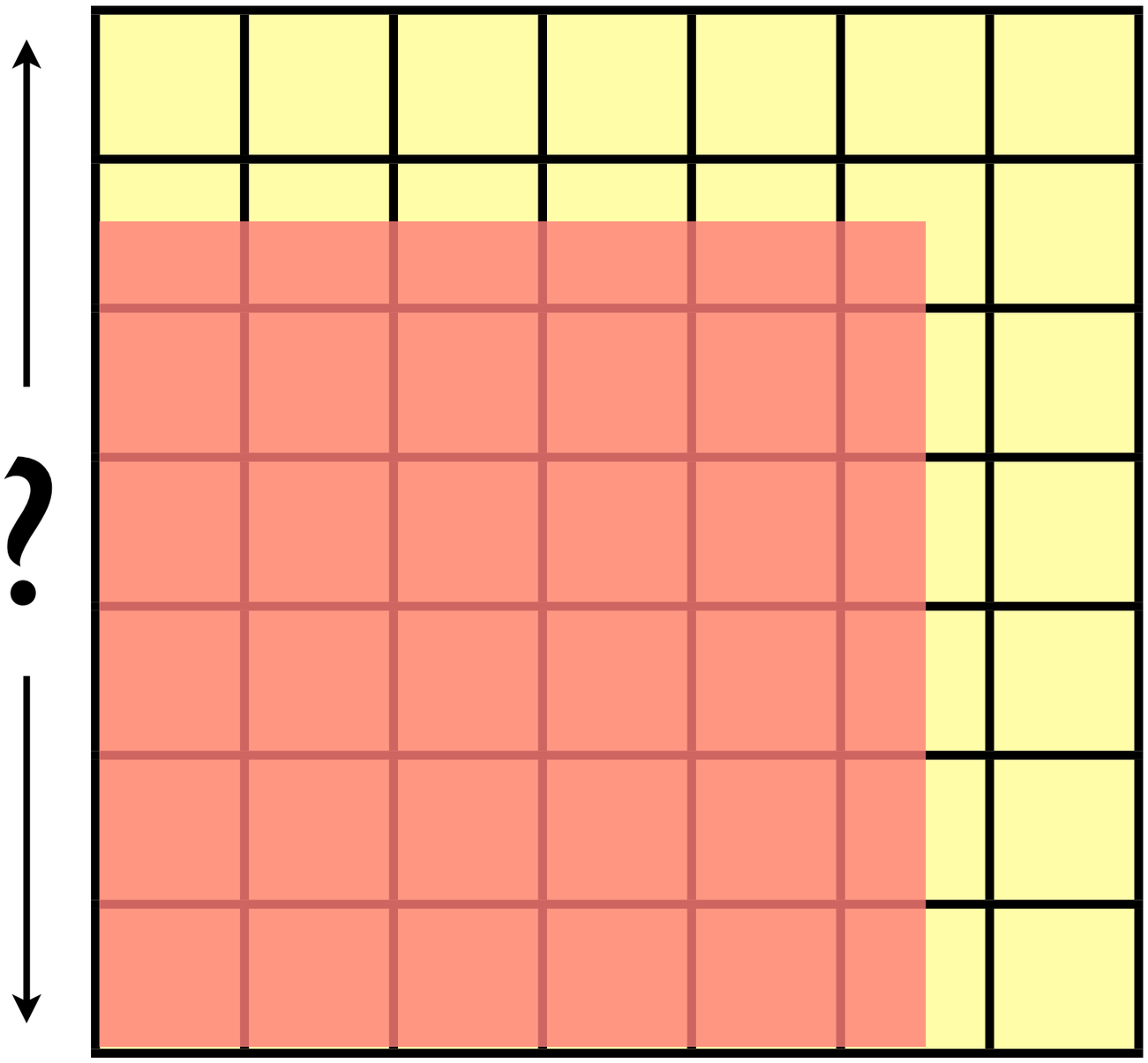
$$\sqrt{16}$$

$$\sqrt{36}$$

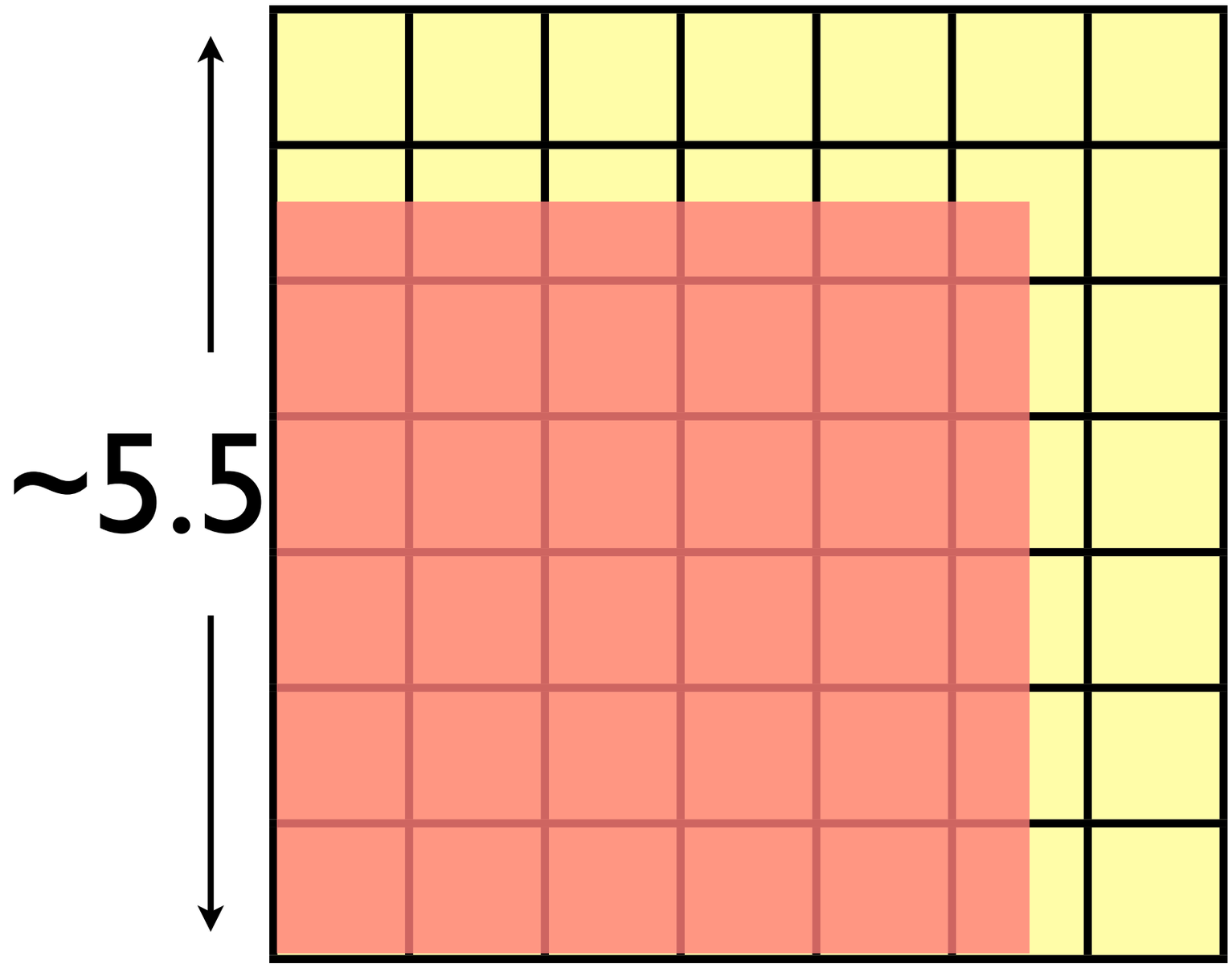
$$\sqrt{} \leftrightarrow \sqrt{}$$



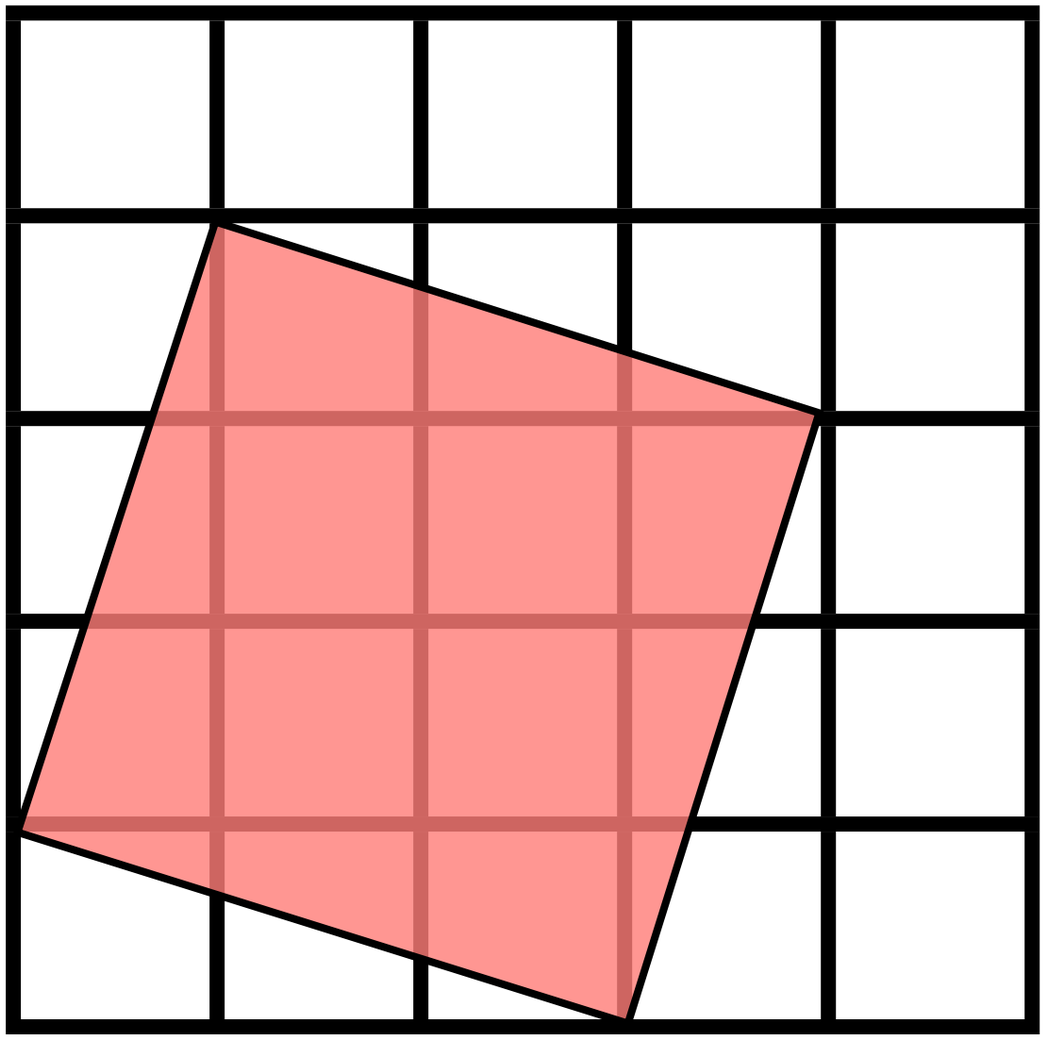
$\sqrt{25}$ $\sqrt{36}$



$\sqrt{25}$ $\sqrt{36}$

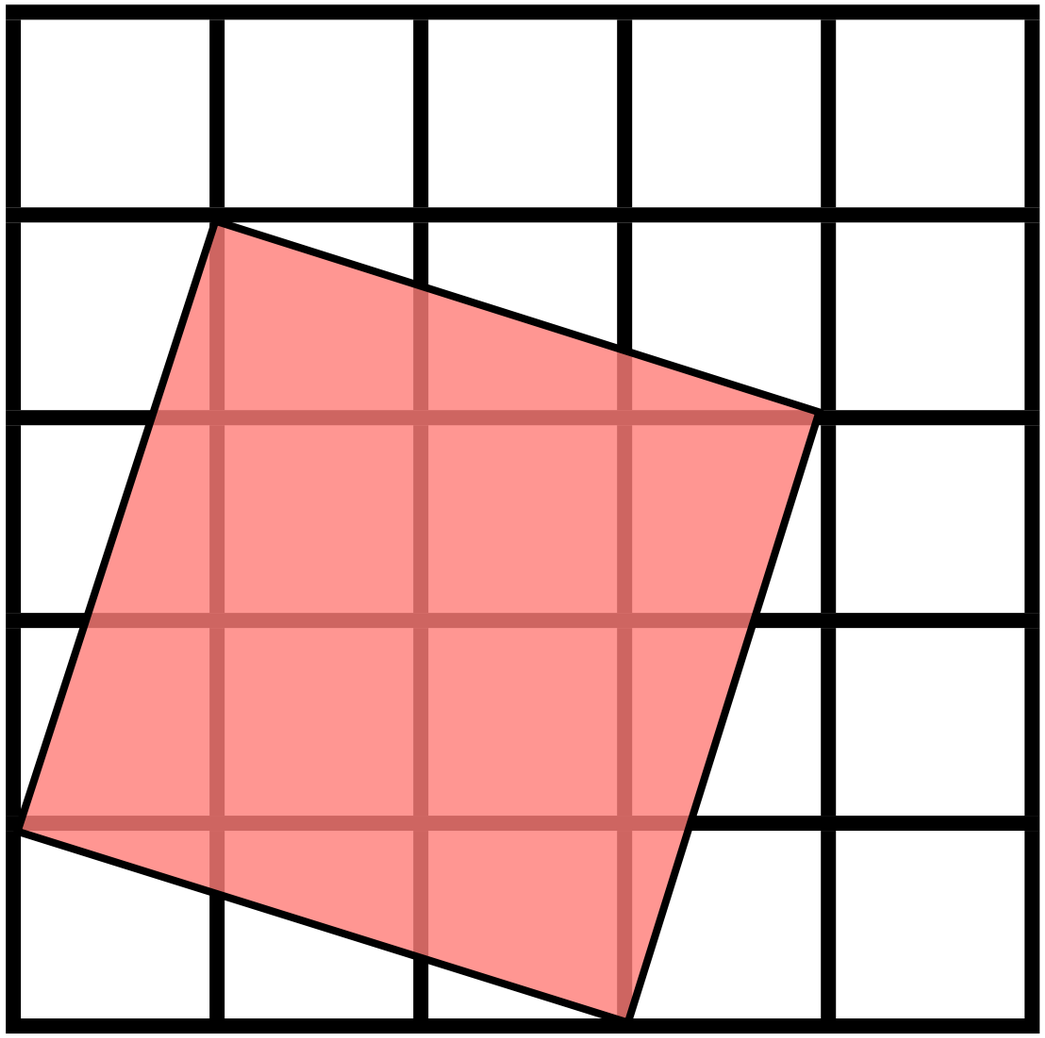


What if the square was like this...



Find the side length of this square.

What if the square was like this...



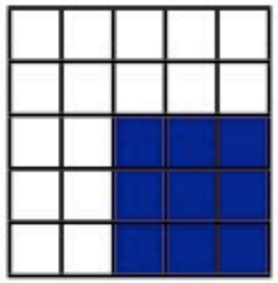
Instructions:

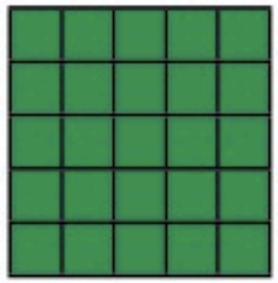
1. Find the area of the square.
2. Take the square to find the side length.

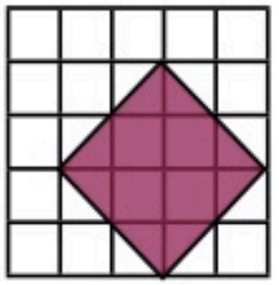
MEASURING LINE SEGMENTS USING SQUARE ROOTS!

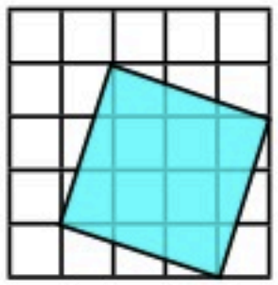
Names: Date: Class:

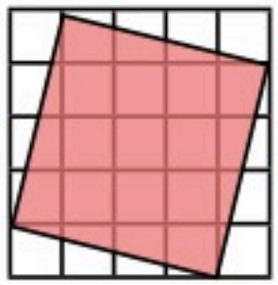
Working with a partner, discuss how you might find the area as well as the side length of each shaded square below. At the bottom of the sheet, show all of your work, and your thinking for each question! You may not use a ruler, calculator or any other counting device. Your minds know all. **Best of Luck!**

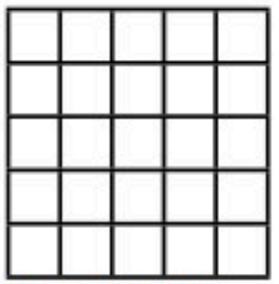












Create your own!

Show a strategy that you used to find the area as well as the side length of each square above.