

Fewest Squares

Adapted from youcubed WIM Task

<https://www.youcubed.org/wim/fewest-squares-3-12/>



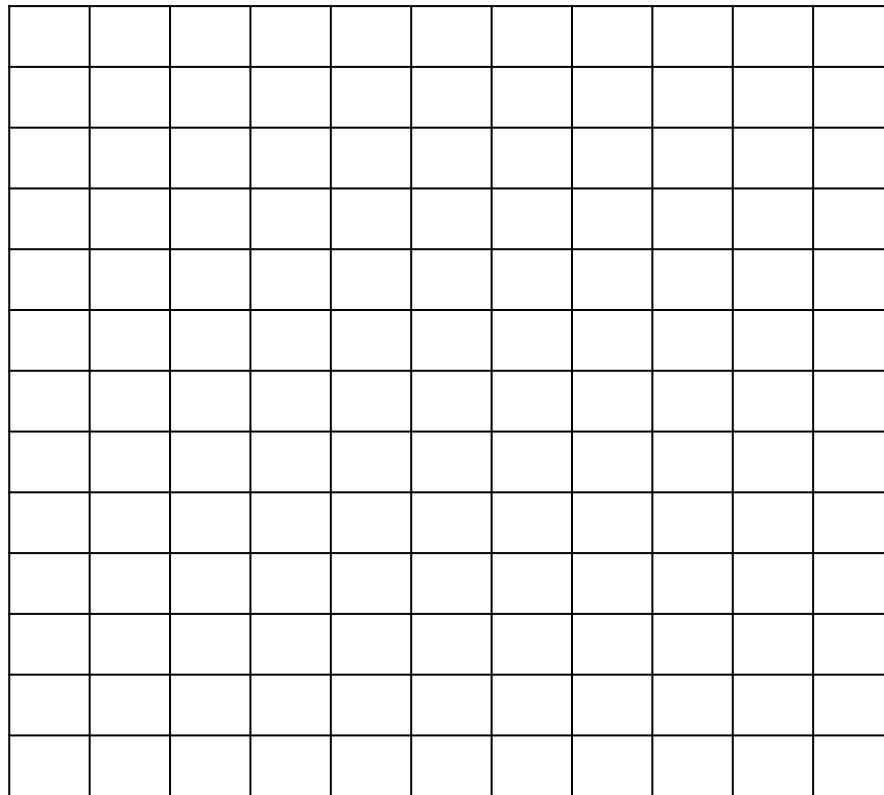
Slide-deck created and shared
by Lori Fury

Mindset Video

Please watch this video: <https://www.youcubed.org/wim/believe-in-yourself-2/>

Draw an 11 x 13 rectangle

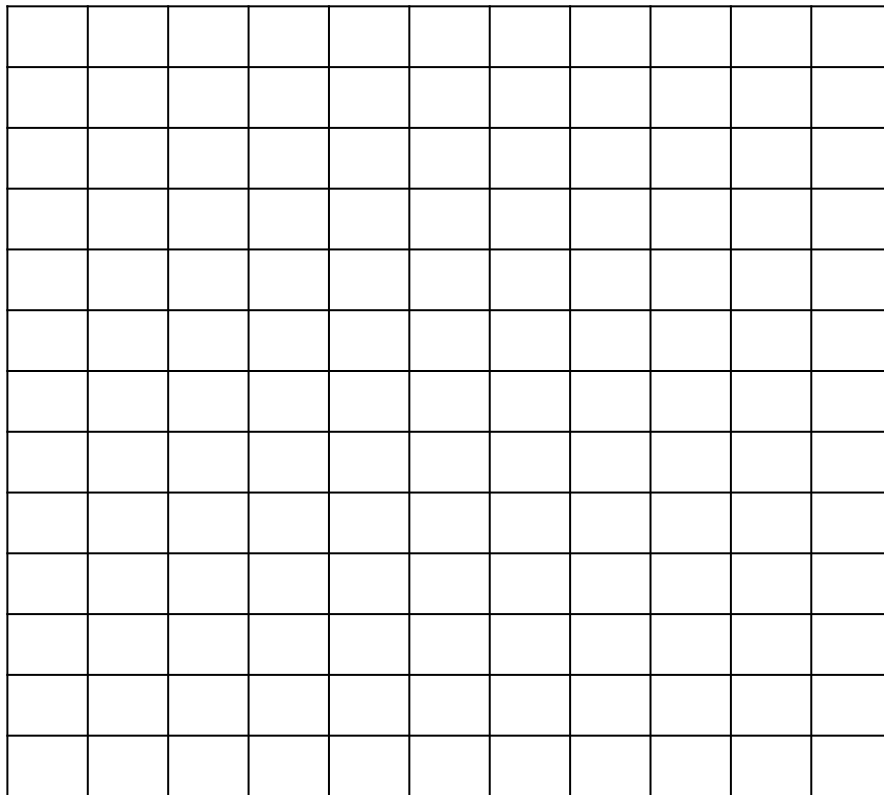
What is the fewest number of **squares** you can draw inside of your 11 x 13 rectangle?



Try it!

What is the fewest number of **squares** you can draw inside of your 11 x 13 rectangle? How do you know?

Can you prove it?



Extensions

- Determine the fewest number of squares you can draw inside a 12x15 rectangle.
- What is the size of the rectangle you can find using 9 squares? Can you find more than one rectangle?
- How do you know you have found the fewest squares? Can you prove your answer?

Debrief

With the whole class, ask how you were able to practice the “believe in yourself” from the video we watched.

What did students like about this activity?

What parts were challenging?

How did they grow their brain during this activity?

