

Chilli Challenges - 10/2/21

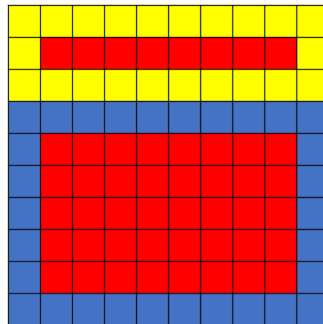
Answer at least one challenge question.

Self-assess your learning with the answers. No Peeking!

Mild Green Chilli



The area covered by red squares is greater than the area covered by yellow and blue squares.



Hot Yellow Chilli

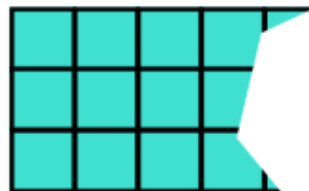
Dexter has taken a bite of the chocolate bar.



The chocolate bar was a rectangle.
Can you work out how many squares of chocolate there were to start with?

Spicy Red Chilli

This rectangle has been ripped.



What is the smallest possible area of the original rectangle?

What is the largest possible area if the length of the rectangle is less than 10 squares?

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Answers

False

Red squares = 48

Blue squares = 30

Yellow squares = 22

Yellow and blue squares = 52

Dexter has taken a bite of the chocolate bar.



The chocolate bar was a rectangle.
Can you work out how many squares of chocolate there were to start with?

There were 20 squares. You know this because two sides of the rectangle are shown.

This rectangle has been ripped.



What is the smallest possible area of the original rectangle?

What is the largest possible area if the length of the rectangle is less than 10 squares?

Smallest area - 15 squares.

Largest area - 30 squares.