

# Chilli Challenges - 9/2/21

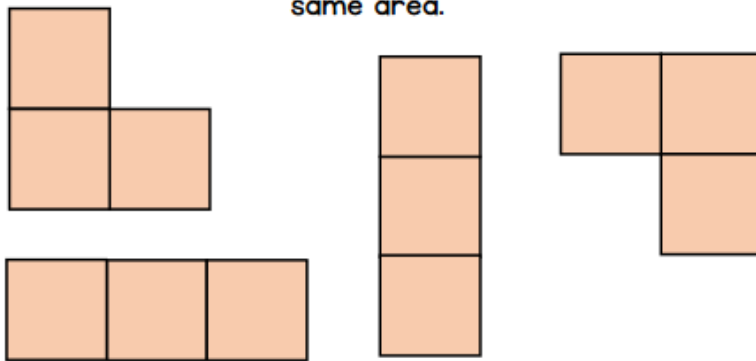
Answer at least one challenge question.

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

## Mild Green Chilli



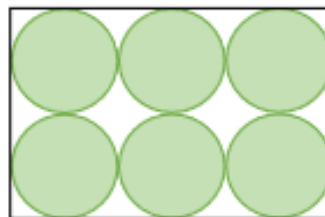
Each of the arrangements of squares covers the same area.



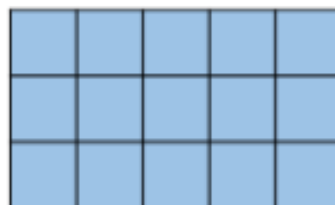
## Hot Yellow Chilli

Teddy and Eva are measuring the area of the same rectangle.

Teddy uses circles to find the area.



Eva uses squares to find the area.



Whose method do you think is more reliable?

Explain why.

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# Spicy Red Chilli

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Two children have measured the top of their desk. They used different sized squares.



Dora

The area of the table top is 6 squares.

The area of the table top is 9 squares.



Alex

Who used the largest squares?  
How do you know?

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## Answers

True

As the squares are the same size, changing the arrangement does not change the space that they cover.

Possible answer:

Eva's method is more reliable than Teddy's because her squares cover the whole surface of the rectangle whereas the circles leave some of the surface uncovered.

Dora needed fewer squares to cover the space, so her squares must have been the larger ones. If the squares are smaller, you need more of them.