

# Counting Squares

## 1. Brad the Builder is designing a driveway.

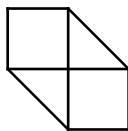
The customer has decided that they want to use a combination of bricks A, B and C to fill their drive.

Brad knows that the drive has a total area of 30 squares and is a rectilinear shape.

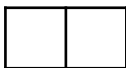


I need to make sure the combination of bricks that I choose covers the whole area of the drive!

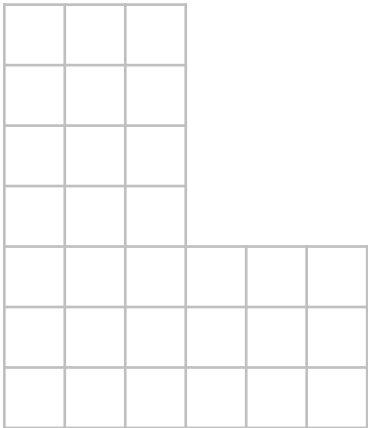
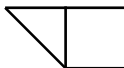
Brick A



Brick B



Brick C

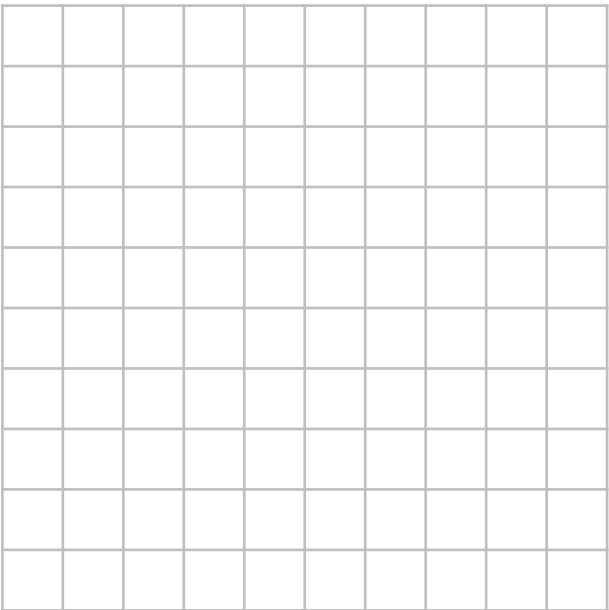


Investigate the different combinations of bricks A, B and C that can be used to cover the driveway. You can rotate the bricks to fit in the shape.

DP

## 2. Using the clues below, draw a house on the grid.

1. The total area of the windows is between 4 and 10 squares.
2. The total area of the door is less than 7 squares.
3. The house can be no more than 8 squares wide and 6 squares tall, not including the roof.
4. The roof uses at least 4 half squares.



Explore the different house designs that can be made and their total area.

DP