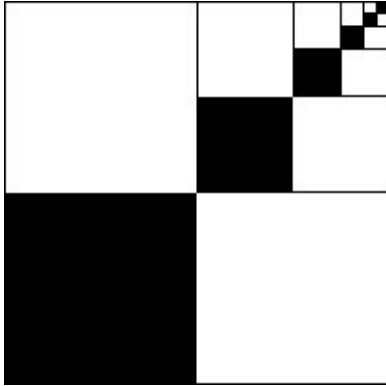


Puzzle 1

It's All Square

A large square is divided into smaller square regions. Some of the regions are shaded like below.



What fraction of the large square is shaded?



Puzzle 2

Mix 'n Match

An older sister bragged that she had 30 different new outfits to wear to school.

Her younger brother said, "That's not true. You have 3 pairs of jeans, 5 shirts, and 2 pairs of shoes. There's no way that makes 30 different outfits. You only have 10 outfits."

Who is correct and why?