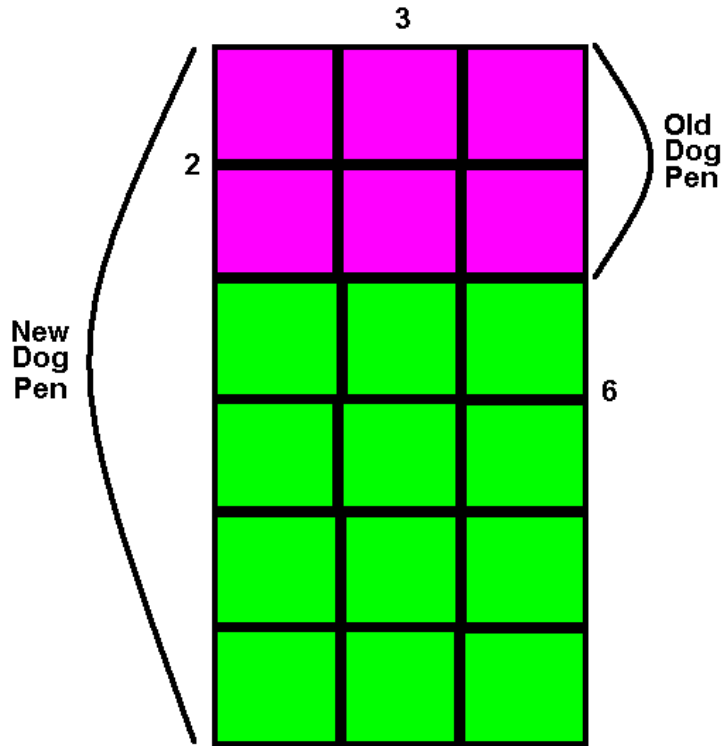# MEASUREMENT/GEOMETRY SKILLS TEST 4: Calculating Changes in Area

Bobby has a dog named Fido. Fido has a dog pen that is 2 feet by 3 feet. But, as Fido grew bigger he got too big for the old pen, so Bobby made the pen bigger. The new dog pen is 3 feet by 6 feet. What is the change in the area?
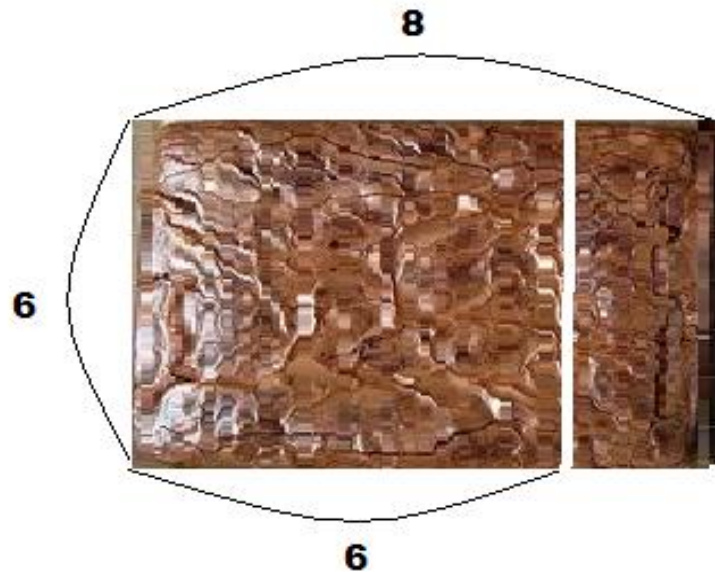
Area = length x width

Area Old Dog Pen = _____

Area New Dog Pen = _____

Change in Area = Larger Area – Smaller Area

Change in Area = _____

Jose made some brownies as a birthday gift for his sister. He made the brownies in a 6 inch by 8 inch pan. But then he realized that the gift box for the brownies was 6 inches by 6 inches, so he had to cut the brownies to make them fit. What is the change in the area?

8

6

6

Area = length x width

Area First Brownies = _____

Area Second Brownies = _____

Change in Area = Larger Area – Smaller Area

Change in Area = _____