## Challenge # 6

We toss around numbers like million, billion and trillion like they are close in magnitude to each other. Make a <u>guess</u> or <u>estimate</u> for each of these:

If you had a million quarters, what surface could you 'cover' with a single layer of quarters?

If you had a billion quarters, what surface could you 'cover' with a single layer of quarters?

If you had a trillion quarters, what surface could you 'cover' with a single layer of quarters?

Challenge #6 Solution

We toss around numbers like million, billion and trillion like they are close in magnitude to each other. Make a guess or estimate for each of these: If you had a million quarters, what surface could you 'cover' with a single layer of quarters? If you had a billion quarters, what surface could you 'cover' with a single layer of quarters? If you had a billion quarters, what surface could you 'cover' with a single layer of quarters? Islock full 12.6 lg. city blocks by 11g city blocks by 11g city blocks by 11g city blocks by 11g city blocks ingle layer of quarters? Islock for Salt (ake City  $10^{6}$ ;  $\Rightarrow$  15.78 mit x15.78 mit  $10^{6}$ ;