Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_

**Page 148 #1 – 13, 46, 47, 48**



1. A chessboard contains 32 black and 32 white squares. How many squares are along each side of the game board?

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1. A carpenter wants to use as many of his 82 small wood squares as possible to make a large square inlaid box lid.

How many squares can the carpenter use? How many squares would he have left?

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How many more small wood squares would the carpenter need to make the next larger possible square box lid?

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1. The square root of a number is five less than six times four. What is the number?

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