Pi Mu Epsilon
Problem of the Month
October 2017

Consider fifteen squares whose side lengths are the first fifteen counting numbers (1, 2, 3, …, 15). Group the squares into four sets so that the areas of the squares in each set add to the same number.

Problem of the Month Rules:

- Submissions must include a complete mathematical justification along with the answer.
- Submissions may only be made by individuals or groups of two and must be dated.
- Due date: October 27, 2017 before 5 p.m.; they may be given to Dr. Phillip Poplin or Dr. David Shoenthal.

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