

Problem of the Week #1 (Fall 2023)

Let's shuffle a standard deck of 52 cards (no jokers), then reveal cards one by one until we've seen three kings. On average, how many cards do we expect we'll see?

[Please fully explain your answer.]

Email solutions to swensonj@uwplatt.edu by 2:00pm on Wednesday, September 20, 2023.

Every week, the best solution submitted earns a \$10 Platteville gift certificate; the top scorer each semester also wins a cash award. Good luck! You can always see the Problem of the Week (and complete rules) online at:

http://uwpmath.weebly.com/