1. Five students each open cereal packets for a cereal manufacturer.

   The packets contains either a card with a joke on it or a card saying

   "Call this number to collect your prize".

	Ines	Jake	Keira	Lenny	Maisie
Prize	3	7	1	10	0
Joke	27	43	9	90	10

   One more cereal packet is to be opened.

   Which is the best estimate for the probability that the card inside will have a joke on it?

   $\dfrac{10}{10}$ or $\dfrac{9}{10}$ or $\dfrac{43}{50}$ or $\dfrac{179}{200}$

   Justify your answer

   ....

   ....

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probabilitySingle (9) Q1: $\dfrac{179}{200}$ because it is the greatest number of packets tested

Q2: (a) Udoka because he tossed the coin the most times, (b) $\dfrac{65}{100}$

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   ....

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2. Three students each throw a biased coin a number of times.

   The table shows the number of heads and the number of tails that each student got.

	Saba	Taliah	Udoka
heads	5	7	53
tails	5	3	27

   The coin will be thrown one more time.

   (a) Which of the students' results will give the best estimate for the probability that the coin will land on heads?

   Justify your answer. ....

   ....

   (b) Use all the results to work out a better estimate for the probability that the coin will land on heads.

   (b) ....