

Quiz 4 (Group) for Statistics 113
Statistics and Society - Spring 1999
Material Covered: Chapters 13,14,15 of notes
For: 19th March

Name 1 (please print): _____
last first

Name 2 (please print): _____
last first

Name 3 (please print): _____
last first

Name 4 (please print): _____
last first

One ticket is drawn at random from each of the two boxes shown below:

(A)

1	2	3
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(B)

1	2	3	4
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(a) [2] One possible outcome is (1, 1).

The other eleven outcomes are: _____

(b) [2] The chance the number drawn from A is

larger than the number drawn from B is _____

(c) [1] The chance the number drawn from A is

equal to the number drawn from B is _____

(d) [1] The chance the number drawn from A is

smaller than the number drawn from B is _____

(a) [2] One possible outcome is $(1, 1)$. The other eleven outcomes are: $(1, 2), \dots, (3, 4)$.

(b) [2] The chance the number drawn from A is *larger* than the number drawn from B is **since three of the 12 outcomes have ticket from A larger than from B, $(2, 1), (3, 1), (3, 2)$, chance is: $\frac{3}{12}$**

(c) [1] The chance the number drawn from A is

equal to the number drawn from B is **since three of the 12 outcomes have ticket from A equal to one from B, $(1, 1), (2, 2), (3, 3)$, chance is: $\frac{3}{12}$**

(d) [1] The chance the number drawn from A is

smaller than the number drawn from B is **since six of the 12 outcomes have ticket from A smaller than from B, $(1, 2), (1, 3), (1, 4), (2, 3), (2, 4), (3, 4)$, chance is: $\frac{6}{12}$**