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Question: A box contains three items that are labeled A, B. and C. Two it...

4.3 A box contains three items that are labeled A, B, and C. Two items are selected at random (without replacement) from this box. List all the possible outcomes for this experiment. Write the sample space S.

APPLICATIONS

4.4 Two students are randomly selected from a statistics class, and it is observed whether or not they suffer from math anxiety. How many total outcomes are possible? Draw a tree diagram for this experiment. Draw a Venn diagram.

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Expert Answer (1)

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4.3:

A box Contains three box that are labeled A, B, C.

Two items are solocted. Ist Bit select A then second may be B or C

If Ist select B then second may be A or C If Ist select C then second may be B os A.

therefor total possibility of outcomes of

S = & AB, AC, BA, BC, CA, CB).

Here S is sample space.

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Q: 2-a box contains 3 items that are labeled A,B,C. 2 items are selected at random without replacement from this box. List all the possible outcome fornthis experiment. write the sample space

A: See answer

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Q: An automated teller machine at a local bank is stocked with \$10 and \$20 bills. When a customer withdraws \$40 from the machine, it dispenses either two \$20 bills or four \$10 bills. If two customers withdraw \$40 each, how many outcomes are possible? Draw a tree diagram for this experiment.

A: See answer

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