

13-1 Skills Practice

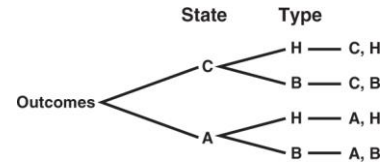
Representing Sample Spaces

Represent the sample space for each experiment by making an organized list, a table, and a tree diagram.

1. Michelle could take a summer job in California or Arizona at a hotel or a bed-and-breakfast.

Outcomes	Hotel	B & B
California	C, H	C, B
Arizona	A, H	A, B

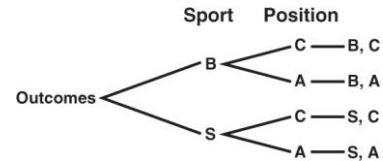
CH, CB, AH, AB



2. Jeremy could go to baseball or soccer camp as a counselor or an assistant director.

Outcomes	Couns.	Asst.
Baseball	B, C	B, A
Soccer	S, C	S, A

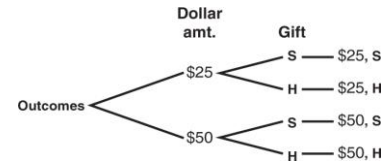
BC, BA, SC, SA



3. Brad could buy his mom a \$25 or \$50 gift card for a spa or a housecleaning service.

Outcomes	Spa	House Cleaning
\$25	\$25, S	\$25, H
\$50	\$50, S	\$50, H

\$25 S, \$25 H, \$50 S, \$50 H



Find the number of possible outcomes for each situation.

4. Marie's family is buying a house. They must choose one from each category.

House Plans	Number of Choices
Subdivision location	4
Floor plans	5
Garage size	2
Front yard landscape package	3
Backyard pool package	3

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5. Mr. Thomson is choosing his cable TV. He must choose one from each category.

Cable TV Plans	Number of Choices
Channel packages	16
DVR system	3
Contract length	3
Service contract	2
Include phone	2
Include Internet	2

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6. Valentine gift sets come with a choice of 4 different teddy bears, 8 types of candy, 5 balloon designs, and 3 colors of roses.

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7. Joni wears a school uniform that consists of a skirt or pants, a white shirt, a blue jacket or sweater, white socks and black shoes. She has 3 pairs of pants, 3 skirts, 6 white shirts, 2 blue jackets, 2 blue sweaters, 6 pairs of white socks and 3 pairs of black shoes.

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