

LESSON
12-3

Experimental Probability of Compound Events

Practice and Problem Solving: A/B

HOMEWORK
DUKE/CAMBRIDGE

Solve.

1. A coin was tossed and a spinner with three equal sections numbered 1 to 3 was spun. The results are shown in the table.

	Heads	Tails
1	53	65
2	49	71
3	54	62

What is the experimental probability that the next toss and spin will result in 3 and Tails?

2. A receptionist recorded the number of people who took an elevator up from his floor and the number who took an elevator down. He also noted the number of men and women. The table shows the results.

	Elevator Up	Elevator Down
Men	36	43
Women	39	42

What is the experimental probability that the next person will be a woman taking the elevator up?

3. Sandwich shop customers can choose the bread and meat they want. The table shows the sandwiches that were sold on a given day.

	White Bread	Wheat Bread
Ham	22	24
Turkey	21	22
Tuna	25	23

What is the experimental probability that the next sandwich sold will be tuna on wheat bread?

4. A store sells a coat in three sizes: small, medium, and large. The coat comes in red, navy, and tan. Sales numbers are shown in the table.

	Small	Medium	Large
Red	18	21	19
Navy	24	22	20
Tan	19	25	22

What is the experimental probability that the next coat sold is not a large navy?