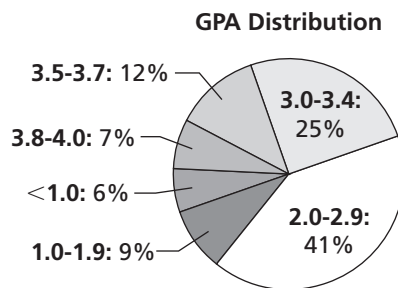


## 5.1 Practice A

In Exercises 1 and 2, find the number of possible outcomes in the sample space. Then list the possible outcomes.

- You flip three coins.
- A clown has three purple balloons labeled a, b, and c, three yellow balloons labeled a, b, and c, and three turquoise balloons labeled a, b, and c. The clown chooses a balloon at random.
- Your friend has eight sweatshirts. Three sweatshirts are green, one is white, and four are blue. You forgot your sweatshirt, so your friend is going to bring one for you as well as one for himself. What is the probability that your friend will bring two blue sweatshirts?
- The estimated percentage student GPA distribution is shown. Find the probability of each event.



- A student chosen at random has GPA of at least 3.0.
  - A student chosen at random has GPA between 1.0 and 2.9, inclusive.
- A bag contains the same number of each of four different colors of marbles. A marble is drawn, its color is recorded, and then the marble is placed back in the bag. This process is repeated until 40 marbles have been drawn. The table shows the results. For which marble is the experimental probability of drawing the marble the same as the theoretical probability?

Drawing Results			
yellow	red	blue	black
12	10	7	11