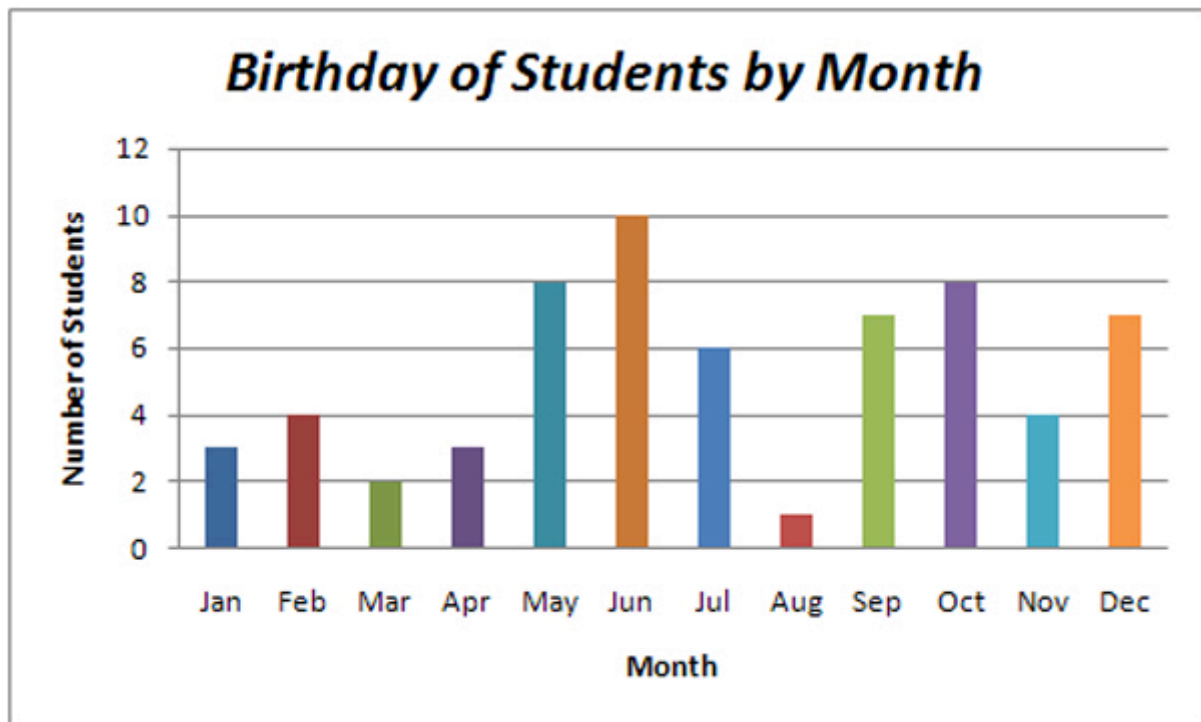


L2 Probability Checkpoint 1: Probability Concepts

Name:

A random sample of 63 students were surveyed and asked which month their birthday was in. The results are shown in the table below.



a)	What is the probability that a randomly chosen student has a birthday in December?	
b)	If a birthday is equally likely to occur on any day during the year, what is the theoretical probability that a student has a birthday in December?	
c)	Compare the theoretical probability that a student has a birthday in December in part (b), with the probability found in	

	part (a). Explain any differences.	
d)	What is the probability that a student selected randomly does NOT have a birthday in February?	
e)	What is the probability that a student selected at random, has a birthday in the second half of the year?	
f)	What is the probability that a student whose birthday is in summer (December, January or February), has a birthday in February?	

g)

If there are 580 students at a school, how many would you expect to have a birthday in August, based on the data above?