STUDY LINK
12·6 | **Rates**

Complete each table using the given information. Then answer the question below each table.

1. It would take 27,000 spiders, each spinning a single web, to produce a pound of spider webs.

a.

Number of Spiders	27,000	54,000			
Pounds of Spider Webs	1	2	3	4	5

b. At this rate, how many spiders, each spinning a single web, would be needed to produce 10 pounds of spider webs? _____ spiders

2. It used to be thought that the deer botfly flies so fast that it is almost invisible to the human eye. It has since been tested, and scientists found that it actually flies about 25 miles per hour.

a.

Miles	25				
Hours	1	2	3	4	5

b. At this rate, about how far could a deer botfly travel in 1 minute? _____ mile(s)

Solve the following rate problems. Make a table if it will help you.

3. About 50 gallons of maple sap are needed to make 1 gallon of maple syrup. How many gallons of maple sap are needed to make 20 gallons of maple syrup?

About _____ gallons

4. For 186 days a year, the sun is not visible at the North Pole. During a 5-year period, about how many days is the sun not visible?

About _____ days

5. In a beehive, about $1\frac{1}{2}$ ounces of beeswax are used to build a honeycomb that holds 4 pounds of honey. How much beeswax is needed to build a honeycomb that could hold 20 pounds of honey?

About _____ ounces

Source: *2201 Fascinating Facts*