SUNSHINE MATH - 8
Pluto, VII

★★★ 1. Mrs. Graham's science laboratory has some stools with 3 legs and some chairs with 4 legs. If there is a total of 158 legs on the stools and chairs, and 42 total seats in the room, how many stools and chairs are in Mrs. Graham's science lab?

Answer: _____ stools and _____ chairs
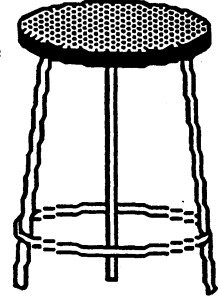
★★ 2. Sheila's volleyball team has lost 11 games. The team has won 5 more than they have lost. What is their winning percentage?

Answer: _____ percent

★★ 3. Julio was driving from his home to Tampa. The last road sign he saw said it was 177 miles to Tampa. Julio has driven 51 miles since he saw the last road sign. He is now half way to Tampa. How far is it from Julio's home to Tampa?

TAMPA
177 mi.

Answer: _____ miles

★★ 4. J, K, and L are circles. Circle J has a 32 inch diameter. The radius of circle J equals the diameter of circle K. The radius of circle K equals the diameter of circle L. How long is the radius of circle L?

J   K   L
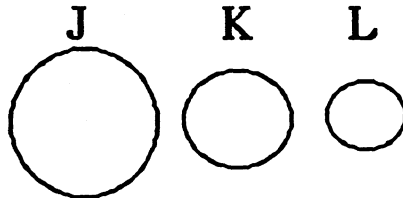
Answer: _____ inches

★★★ 5. Molly collects baseball cards. For every card that has a pitcher on it, 12 do not. If Molly has a total of 403 baseball cards, how many of them are of players that are not pitchers?

Answer: _____ cards

★ 6. There are 9 rows of student desks in Elizabeth's math class. Each row has the same number of desks. If 15 students just fit into the first 3 rows with no empty seats, how many student desks are there in Elizabeth's math class?

Answer: _____ desks

★★★★ 7. Jack wanted to win the big bicycle race, so he trained hard for a week -- 7 days. Each day he rode 3 miles farther than he had the day before. If he rode a total of 126 miles, how far did he ride on the last day of the week?

Answer: _____ miles
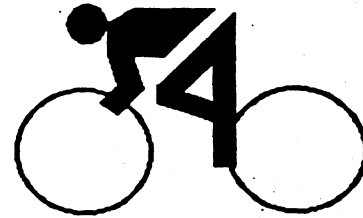
★★★ 8. Sue usually makes 6 free throws out of 10 tries. What is the probability she will make her next two free throws?

Answer: _____

★★★ 9. Thirty five matchsticks are placed so that they make a spiral that goes counterclockwise. Show how to shift four matchsticks to make the spiral go clockwise. Draw arrows to show how the four matches are moved.