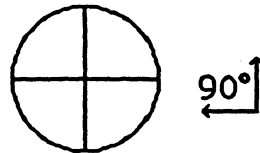# SUNSHINE MATH - 5
Saturn, XXVI

Name: _____

(This shows my own thinking.)

★★ 1. Saturn's diameter is about 71,000 miles. Its rings extend from the surface another 35,000 miles into space. What is the distance from the center of Saturn to the outer edge of its rings?
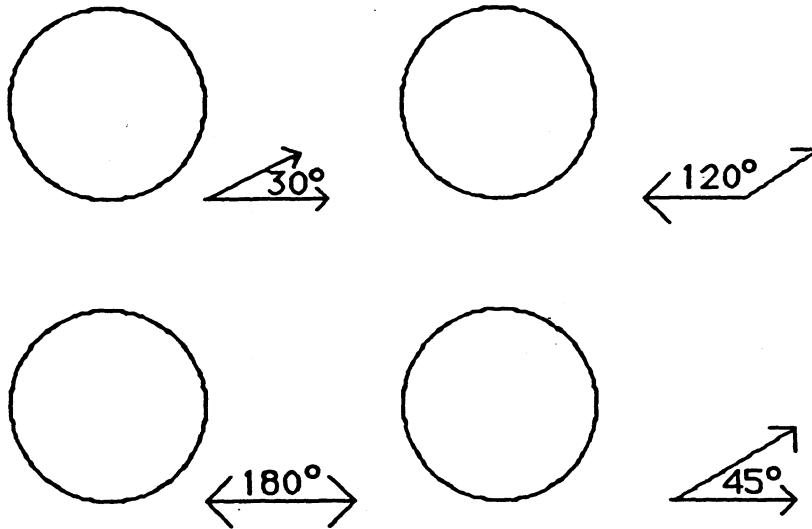
Answer: _____ miles

★★★★ 2. The circle shown here has four congruent angles drawn at the center. The angles are congruent to the 90° angle off to the side.

90°

Draw as many angles as possible at the center of these circles which are congruent to the angles shown. All angles within each circle must share sides.

30°   120°

180°   45°

★★ 3. Find the pattern and write the next three numbers. Then answer this question: What number comes three numbers before the 2 if the pattern were extended to the left? _____

$$2, \ 1, \ \frac{1}{2}, \ \frac{1}{4}, \ \underline{\quad}, \ \underline{\quad}, \ \underline{\quad}, \ ....$$

★★ 4. Anne has duplicates of 125 stamps in her collection. She gives 50 to Sam, then she divides the remainder evenly among five friends. If two of her friends put their stamps together, how many will they have?

Answer : _____ stamps

★★★ 5. Henri spun a 3-color spinner 45 times. He filled in this tally chart and needs to complete it. Fill in the information he forgot.

Red	||| |||| |||	$\frac{13}{45}$
Blue	|||| |||| ||	
Green		

★★ 6. Complete the problem.

$$
\begin{array}{r}
9\ 2\ \square \\
\times\ \square\ 8 \\
\hline
\square\ \square\ 7\ 6 \\
\square\ 2\ \square \\
\hline
1\ 6,5\ 9\ \square
\end{array}
$$

★★★ 7. Susan's age is 3 times Andrea's age. Barbara is twice as old as Andrea. The sum of their ages is 30. How old is each girl?

Susan is ____ years old; Andrea is ____ years old; Barbara is ____ years old.

★★★ 8. Andy wants to run a 3-mile race at the same pace all the way through the race. He knows he can do this in 24 minutes. He stations his Dad at the 2-mile mark to give him his time as he passes by. His Dad calls out 15:30 as he passes by. What else did his Dad say? Circle the best choice:

a. Great! You're right on time!

b. Slow down! You're ahead of your pace!

c. Speed up! You're lagging behind your pace!