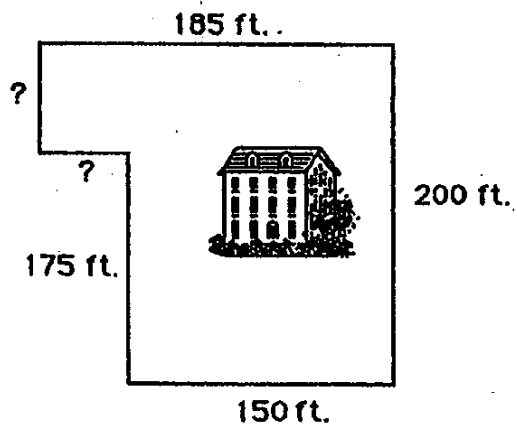# SUNSHINE MATH - 4
Jupiter, VI

Name: _____

(This shows my own thinking.)

★★ 1. Jean went on a vacation with her parents in their family car. They left their home in Florida on Monday at 7:15 a.m. and arrived in North Carolina on Tuesday at 11:45 a.m. How long was their trip?

Answer: _____ hours and _____ minutes

★★★ 2. Mr. Brown wanted to put up a fence around his property. How many feet of fencing did he need? The lawn is outlined to the right, but the picture is not drawn to scale.

Answer: _____ feet

185 ft.

?

?

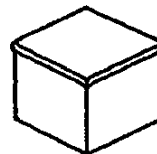175 ft.

200 ft.

150 ft.

★★★ 3. Find the next number in the patterns below.

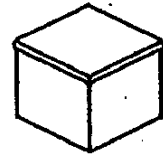(a.) $32.10 → $32.30 → $32.50 → $32.70 → $32.90 → $_____

(b.) 720 → 360 → 180 → 90 → ____

(c.) $\frac{1}{2} → \frac{1}{4} → \frac{1}{8} → \frac{1}{16} →$ _____

★★★★ 4. Box A has 3 red marbles and 2 yellow marbles. Box B has 2 red marbles and 1 yellow marble. If you have to pick a red marble to win a prize and you can not look in the box, which box would give you the best chance of winning the prize?
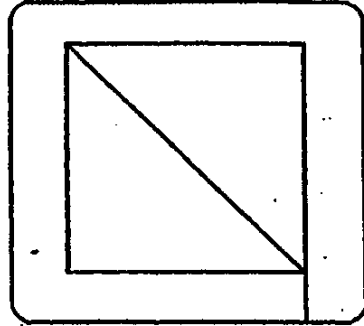
Answer: _____

A   B

★★ 5. You can trace over this figure with a pencil without retracing any path, if you start in the right place. Find the two places where you can do this, and draw circles around them.

★ 6. If 5 is added to a number n and the answer is multiplied by 2, the result will be 24. What is the number n?

Answer: $n =$ _____

★★★ 7. Estimate the answers below. Circle the best choice.

a. $3\frac{10}{11} + 2\frac{1}{101}$ Choose: 4 or 5 or 6 or 7

b. $5\frac{2}{47} - 2\frac{1}{35}$ Choose: 2 or 3 or 4 or 5

c. $6\frac{17}{19} \times 7\frac{3}{290}$ Choose: 42 or 49 or 63 or 213

★★★ 8. You need $\frac{1}{2}$ cup of sugar to make a three-layer cake. How much sugar would you need for a one-layer cake?

Answer: _____

★ 9. What is the product of the ten one-digit numbers?   Answer: _____