

SUNSHINE MATH - 4  
Jupiter, VI

Name: \_\_\_\_\_

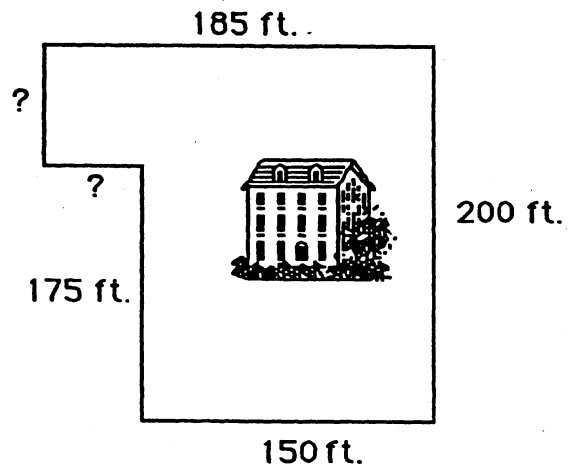
(This shows my own thinking.)

- ★★ 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



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

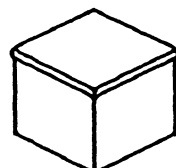
(a.) \$32.10 → \$32.30 → \$32.50 → \$32.70 → \$32.90 → \$ \_\_\_\_\_

(b.) 720 → 360 → 180 → 90 → \_\_\_\_\_

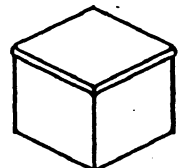
(c.)  $\frac{1}{2}$  →  $\frac{1}{4}$  →  $\frac{1}{8}$  →  $\frac{1}{16}$  → \_\_\_\_\_

- ★★★★ 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: \_\_\_\_\_

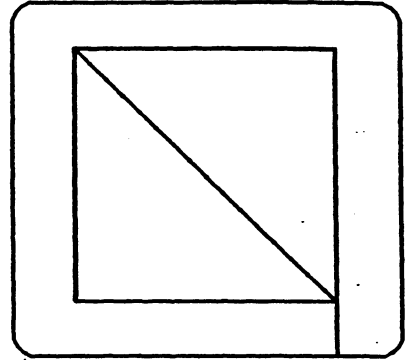


A



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: \_\_\_\_\_