SUNSHINE MATH - 4
Jupiter, XIII

Name: _____

(This shows my own thinking.)

★★★★ 1. To win $1 million, you must draw two cards whose sum is nine, from a stack of cards numbered 1 through 10. After the first draw, you replace the card and shuffle the stack again for the second draw. What is the chance that your two cards will have a sum of nine?

Use the chart if it helps you think about the possibilities.

Answer: _____

first card

	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

(second card)

★ 2. Joey agreed to help his mom with the summer chores for $1.50 a day for 20 days. Susan agreed to water the neighbor's indoor plants and feed the cat while they were on summer vacation for $5.00 a week for 5 weeks. Who made more money over their summer vacation,

Joey or Susan?

Answer: _____

★★ 3. It's time to plant a spring vegetable garden. $\frac{1}{3}$ will be root plants. $\frac{1}{3}$ will be stalk plants, and $\frac{1}{3}$ will be vine plants. $\frac{1}{2}$ of the stalk and vine plants will be grown organically without fertilizer. What fraction of the garden will be grown organically? Fill in the rectangle to show how the garden can be set up.

Answer: ____ will be grown organically.

★ 4. Juanita has 35 pre-addressed post cards she plans to hand out to her friends so they will write to her while she is away visiting her grandmother. She has 7 friends she'd like to give them to. Write a number sentence to show how Juanita can share her cards equally among her friends.

Answer: _____

★★ 5. Mary Jane called UPS to find a cost estimate for shipping her racing bicycle from Florida to her sister's house in Vermont.

   a. The first information requested by the UPS agent was for the dimensions of the bike. Circle the most reasonable answer.

      (a) 14 inches by 6 inches   (b) 14 feet by 6 feet

      (c) 5 feet by 4 feet   (d) 5 yards by 3 yards

   b. The second question the agent asked was the approximate weight of the racing bike. Circle the most reasonable answer.

      (a) 300 grams   (b) 15 kilograms   (c) 1 metric ton   (d) 225 kilograms

★★★ 6. Felicia collected data from her classmates using a tally sheet. She asked each student what types of electronic appliances they had at home. Below is the data Felicia collected and recorded on a pictograph. Answer the questions related to the graph.

   (a) How many different types of appliances are listed? _____

   (b) What is the total number of all electronic appliances listed? _____

   (c) According to the data collected, what are the three most popular electronic appliances?

      Answer: _____, _____, _____

ELECTRONIC APPLIANCES AT HOME

ITEM	NUMBER FOUND
Hairdryer	♀♀♀
Television	♀♀♀♀
Washing Machine	♀♀♀
Computer	♀
Food Processor	♀
Clock Radio	♀♀
Stereo	♀♀♀
Walkman	♀♀♀♀
Lamps	♀♀♀♀♀

♀ = 4 APPLIANCES

★★ 7. Write in the three missing numbers in the pattern.

....., _____, _____, 171, 162, 153, 144, 135, 126, _____, ...