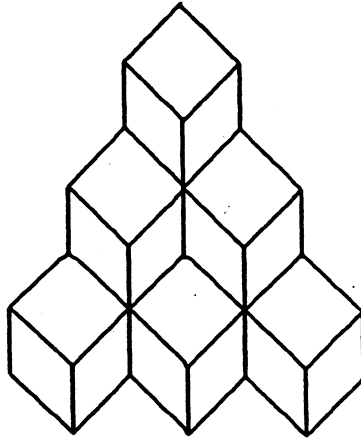


SUNSHINE MATH - 7  
Neptune, XIII

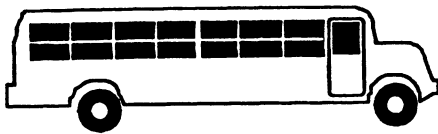
Name: \_\_\_\_\_  
(This shows my own thinking.)

- ★ 1. How many cubes were needed to create the solid figure below?



Answer: \_\_\_\_\_ cubes

- ★★★★ 2. One bus arrives at Mathematics Mall every 16 minutes, while another bus arrives every 20 minutes. If they both arrive at 3:00 P.M. what is the next time they will both arrive at the mall at the same time?



Answer: \_\_\_\_\_

- ★★★★ 3. A basketball team has players with the following heights:

6'1", 6'3", 6', 5'11"

If the average height of this 5-player team is 6'1", how tall is the fifth player?

Answer: \_\_\_\_\_ ft. \_\_\_\_\_ in.

- ★ 4. The sum of the ages of Amy and her sister is 19 and the difference is 5. What is the product of their ages?

Answer: \_\_\_\_\_

- ★ 5. A battery in a portable T.V. has an expected life of 1000 hours. If you watch such a T.V. every day from 4 P.M. until 10 P.M., about how many months can you expect your T.V. to play using the original battery?



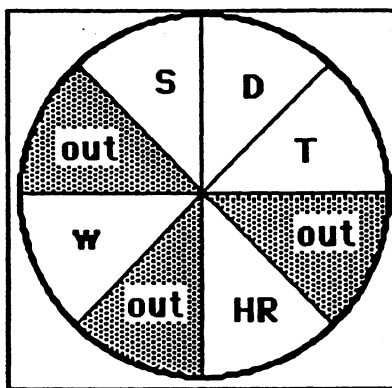
Answer: \_\_\_\_\_ months

- ★★★ 6. The estimated cost of sending a person to Mars is \$45 billion. This amount is to be shared equally by the 250 million people in the United States. What is each person's share?

Answer: \$\_\_\_\_\_ per person

- ★★★ 7. Dante made a dart board "baseball game" for his house. As the batter, he would either get a walk (w), a single (s), a double (d) a triple (t), a homerun (hr), or make an out. If his darts land randomly on the board,

- What percent of the time will he be successful in getting on base? (Hint: A home run is counted as getting on base) \_\_\_\_\_
- What percent of the time will he make an out? \_\_\_\_\_
- What is the chance that he will make 3 outs in a row? \_\_\_\_\_



- ★★ 8. Three out of every five students who eat lunch in the cafeteria have chocolate milk. How many students can you expect to drink chocolate milk if 250 students eat lunch in the cafeteria on Friday?

Answer: \_\_\_\_\_ students

