

SUNSHINE MATH - 8
Pluto, XXI

Name: _____
(This shows my own thinking.)

- ★★ 1. Your silverware drawer has 12 forks, 8 knives, and 15 spoons. If you reach into the drawer without looking, how many pieces of silverware do you need to take out to be certain you have 2 matching pieces (2 forks or 2 knives or 2 spoons)?

Answer : _____ pieces

- ★★ 2. Jimmy and Harry started a “running backwards race” at opposite ends of the gym. After 6 seconds they passed each other at the center of the gym. If they lost no time in turning and kept the same speed, how long after starting would they pass each other again?

Answer : _____ seconds

- ★ 3. The longest frog leap on record was by Ex Lax at the 1975 Calavaras County Jumping Frog Jubilee. It measured 17 feet, 7 inches. How much longer is this than the human record for the standing long jump -- a mere 12 feet, $2\frac{1}{4}$ inches?

Answer: _____ longer



- ★★★★ 4. Every year on my birthday, an unusual phenomenon occurs which I note will no longer apply as of the year 2000. In fact, it will not recur until the year 2100, on the first of February. Identify this phenomenon, and you will know my birthday. What is the month and day of my birthday?

Answer: _____

- ★★★ 5. Thirty-two people went to see the U.S. play World Cup soccer in Orlando. Four people rode to the game in each car and 8 people rode the bus. On the way home, 3 people rode in each car and the rest rode the bus. How many people rode the bus on the way home?



Answer : _____ people

- ★ 6. A raft has a weight limit of 500 lbs. Ron weighs 178 lbs., Katie weighs 132 lbs., Jethro weighs 195 lbs., and Amie weighs 118 lbs. Who stayed on shore if the heaviest possible crew, without exceeding the weight limit, took the raft out on the lake?

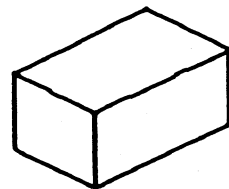
Answer : _____ stayed.

- ★ 7. There are 215 people in a theater watching Batman Forever. The usher polls each viewer as they leave the theater and 195 people said they "really liked" the film. To the nearest whole percent, what percent of the viewers did not "really like" the film?

Answer : _____

- ★★★ 8. Rolanda wanted to recover her storage chest with some floral paper. It's shaped like a rectangular solid. The volume of the box is 9 cubic feet. Its length is 3 feet and its width is 2 feet. How many square inches of wallpaper will Rolanda need to cover the sides if she doesn't cover the bottom ?

Answer : _____ sq. inches



- ★ 9. Zydeco has \$30 and is shopping for her boyfriend's birthday. She sees several things she would like to buy: a C.D. for \$15.95, a book for \$4.90, a pair of shorts for \$12.98 and a poster for \$2.35. Which three items does she have enough money to purchase?

Answer : _____