

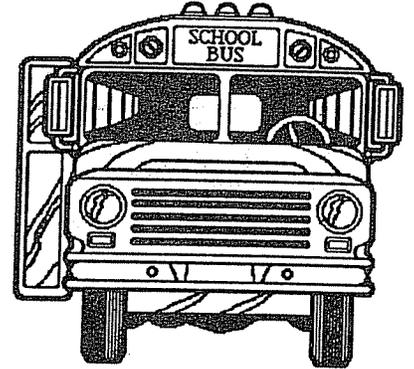
MATH SUPERSTARS – 4

Jupiter, IV

Name: _____

(This shows my own thinking.)

- ★★ 1. A school bus makes 7 stops on its trip to school and 7 stops on the trip home.
- How many stops will the bus make in one full week of school? _____
 - How many stops will the bus make in the 180-day school year? _____

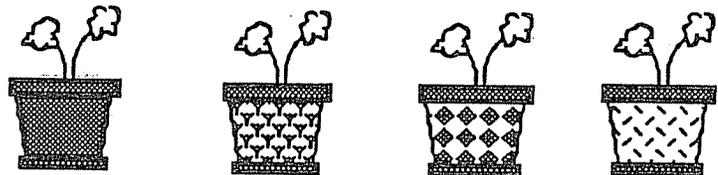


- ★★ 2. When Michelle woke up yesterday, the temperature was 72°F . By lunch time, the temperature had risen 15°F . By dinner time, it had fallen 22°F . What was the temperature at dinner time?

Answer: _____ $^{\circ}\text{F}$

- ★★★ 3. Teresa has 4 flower pots in 4 different designs. She likes to display her flower pots in different positions on her window sill. How many different ways can she place her flower pots?

Answer: _____ ways



- ★★ 4. What is the mystery number x ?

- x has 3 digits.
- The tens digit is half the hundreds digits.
- The number is odd.
- The sum of the digits is 9.

Answer: $x =$ _____

★★ 5. If the 7th day of the month is on a Tuesday, on what day is the 25th?

Answer: _____

★★★ 6. On the average your heart beats about 72 times per minute. At this rate, about how many times will it beat:

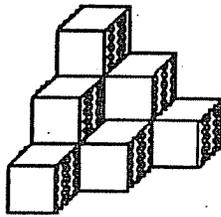
a. in a 30-day month? _____

b. in a year? _____

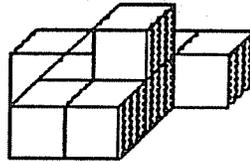
c. in your lifetime, if you live to 72 years of age? _____



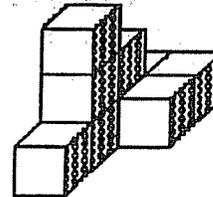
★★★ 7. The volume of a shape is the number of cubes it will take, all the same size, to make the figure. Each figure is made of stacks of cubes that are 1 centimeter on each side. Find the volume of the figures below.



a.



b.



c.

Answer: a. _____ cm^3 Answer: b. _____ cm^3 Answer: c. _____ cm^3

★★★ 8. In a tug of war, 5 donkeys are exactly equal to 2 elephants. In another tug of war, 3 elephants are equal to 1 car. Which team should win if a car and 3 donkeys are matched against 4 elephants?

Answer: _____

