

SUNSHINE MATH - 7  
Neptune, V

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

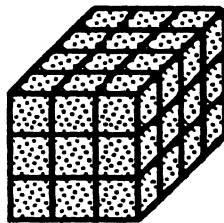
★★ 1. What is 10% of 20% of 30% of 100?

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

★ 2. The hundreds digit of a three digit number is  $\frac{1}{3}$  of the ones digit and twice the tens digit.  
What is the number?

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

★★ 3. How many small cubes are used to make this solid prism?



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

★★★ 4. If the above prism was dipped in green paint, how many small cubes would not have any paint on them?

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

★★★ 5. A snail starts at the bottom of a 20-foot well. Each day he climbs up  $4\frac{1}{2}$  feet, but at night slips back 2 feet. How many days will it take to reach the top of the well?

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

- ★★ 6. The highest point in Florida is in Walton county. It is 345 ft. *above* sea level. Sombrero Key is 30 ft *below* sea level. What is the difference, in feet, between these two points?

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

- ★★★★ 7. A jar contains 48 marbles, identical except for color. There are twice as many yellow as red marbles and twice as many blue as white marbles. There are 6 more white marbles than red marbles. What is the probability of drawing at random a yellow marble from the jar?

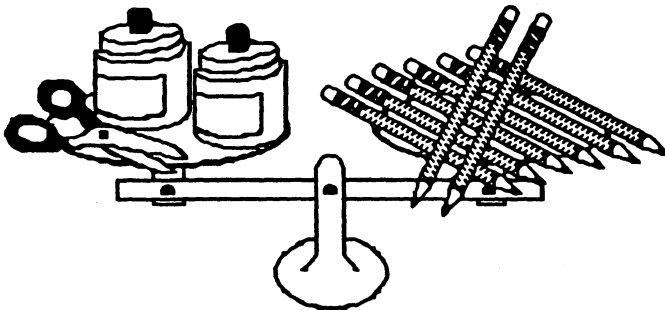
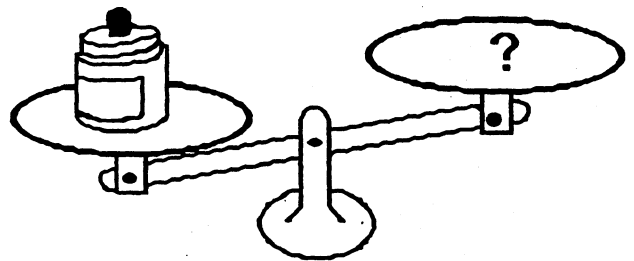
Answer: \_\_\_\_\_

- ★ 8. Add one operation sign (+, -, x, or ÷) to make this mathematics statement true.

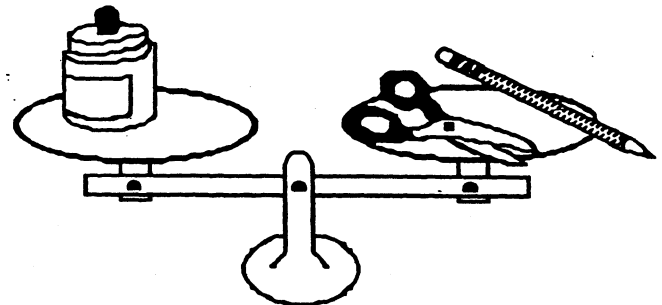
$$7 \ 0 \ 4 \ 3 \ 8 \ 4 \ = \ 7 \ 1 \ 2 \ 7$$

- ★★★★ 9. How many pencils does it take to balance the jar of paste, given the information below?

Answer: It takes \_\_\_\_\_ pencils to balance the paste.



1 pair of scissors and 2 jars of paste balance 8 pencils.



1 jar of paste balances 1 pair of scissors and 1 pencil.