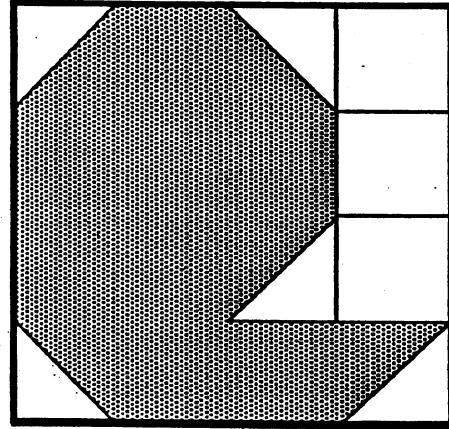


SUNSHINE MATH - 7  
Neptune, XX

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

- ★★ 1. The city is planning a new park. Each small square is 1 acre. The shaded portion is set aside for softball diamonds, soccer and football fields, and basketball courts. How many acres of the park will be for these sports?

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



- ★ 2. Hector randomly picks an integer between 0 and 9. Which one of the following is the most likely outcome? Circle your choice.
- a) the number is 5                      c) the number is odd  
b) the number is 9                      d) the number is not 1
- ★★★ 3. Write the correct letter from the choices below, to complete the sentence truthfully.  
The difference between two prime numbers can never equal \_\_\_\_.
- a) 1    c) 7  
b) 2    d) 8
- ★★★ 4. Lin's scores on her math tests this period were: 88, 92, 88, 75, 95, 90. Her teacher said she could have her choice of the mean, median, or mode of these scores as her final grade. Which should she pick?

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

- ★★ 5. The first term in a sequence (pattern) is 7. Each term in the sequence is 4 more than 2 times the number before. What are the second and third terms in the sequence?

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

- ★★ 6. Under the plates, there are 4 coins in a row; a penny, a nickel, a dime and a quarter. The penny is not next to the dime. The nickel is second (from the left) in the row. The quarter is to the left of the dime. Write which coin is under each plate in order from left to right?



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

- ★★★ 7. Baseball cards can be ordered in packages of 8, 64, 512 and so on. If the package sizes continue to increase at the same rate, what is the size for the next larger package?

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

- ★ 8. Find the missing number:  $\frac{2}{6} + \frac{2}{6} + \frac{2}{6} + \frac{2}{6} = \frac{??}{24}$

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

- ★★★ 9. A dinosaur and a lion balance a burro. A dinosaur balances an elephant and a lion, and 2 burros balance three elephants. How many lions balance a dinosaur?

Answer: \_\_\_\_

