

SUNSHINE MATH - 7  
Neptune, XXIV

Name: \_\_\_\_\_

(This shows my own thinking.)

- ★★★★ 1. Bill bought a new Corvette in 1996 for \$42,000. If the car decreases in value 10% each year, in what year will the Corvette be worth less than half of what Bill paid?

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

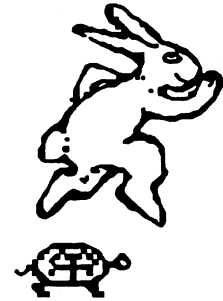


- ★★★★ 2. For a science experiment, Denise was asked to take 170 apples that each weighed the same, and put them in paper bags to make the greatest possible number of bags of different weights. What is the greatest number of bags that Denise can use to hold the apples, if each bag must contain at least one apple, but no two bags may contain the same number of apples?

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

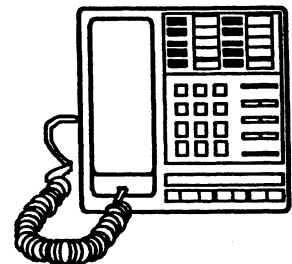
- ★★★ 3. The tortoise and the hare had a 3000 meter race. They started at the same time. The hare hops at an average rate of 9 meters per minute while the tortoise averages only 1.5 meters per minute. After one hour, how many meters was the hare ahead of the tortoise?

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

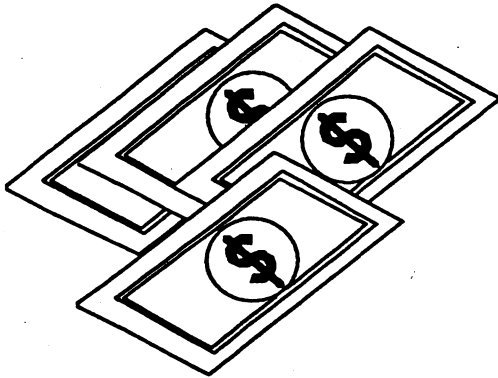


- ★ 4. Al calls me every 3 days, Bob calls me every 4 days and Chris calls me every 6 days. Once in every \_\_\_\_\_ days all three will call on the same day.

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



- ★★ 5. The Mason family went to an amusement park. They spent exactly \$56.00 for tickets. The tickets cost \$12 for each adult and \$5 for each child. How many adults and how many children went to the park?



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

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

- ★★ 6. Using 4 fours with any operations or grouping symbols, write an expression that has a value of 3.

4 4 4 4

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

- ★ 7. Grades can range from 0 to 100 on a test. If you already have tests with scores of 92% and 84%, what is the lowest possible average you can have for three tests? Round to the nearest whole number.

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

- ★★ 8. A standard deck of 52 cards is shuffled and then put in a box. What is the probability that, if a card is drawn randomly from the box, it will have a number on it of which 4 is a factor?

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