

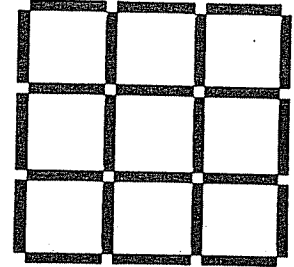
MATH SUPERSTARS – 6

Uranus, II

Name: _____

(This shows my own thinking.)

- ★★ 1. Make an X on each of four toothpicks you could remove so that exactly 7 squares, all the same size, would be left.



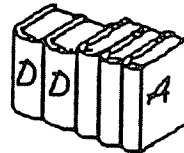
- ★★ 2. Joe keeps all his socks in one drawer. He has 7 blue socks and 9 brown socks. If he reaches in the drawer without looking, what is the least number of socks he can take out to be sure of getting a pair of the same color?

Answer: _____ socks

- ★★ 3. The total price of a dictionary and an almanac is \$32. The total price of 2 dictionaries and 3 almanacs is \$86. What is the price of each book?



↔ \$32

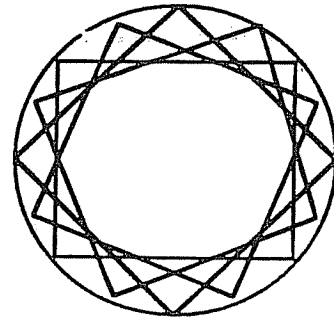


↔ \$86

Answer: The cost of a dictionary is _____. The cost of an almanac is _____.

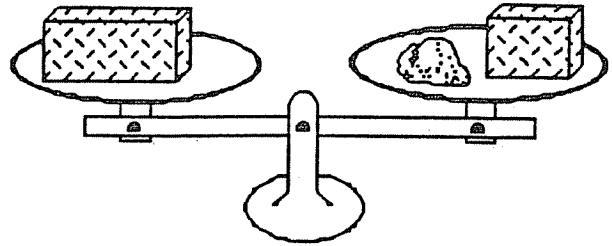
- ★ 4. How many squares are there in the circle?

Answer: _____ squares



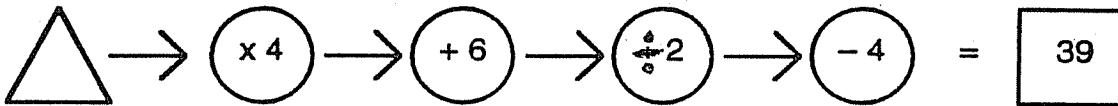
- ★★★ 5. 5 years, 21 days, 4 hours, 32 minutes, 17 seconds
- 2 years, 93 days, 7 hours, 47 minutes, 24 seconds

- ★★★ 6. If a brick weighs exactly as much as a 9-pound rock plus half of another brick, what does a brick and a half weigh?



Answer: _____ pounds

- ★★ 7. Write a number in the \triangle that will give the answer 39.



- ★ 8. How many of the 28 students in Andy's class are boys, if $\frac{4}{7}$ are girls?

Answer: _____ boys

- ★★★★ 9. If you made a spinner out of the circle below for a game you invented, what is the probability that the arrow would land on:

- a. zero? _____ c. a number greater than 9? _____
 b. an odd number? _____ d. either an odd number or 0? _____

