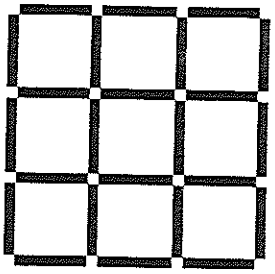
SUNSHINE MATH - 6
Uranus, II

Name: _____

(This shows my own thinking.)

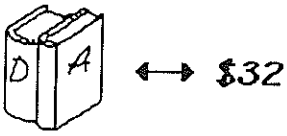
★★★ 1. Make an ✗ on each of four toothpicks you could remove so that exactly 7 squares, all the same size, would be left.

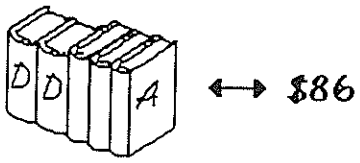


★★ 2. Joe keeps all his socks in one drawer. He has 7 blue socks and 9 brown socks. If he reaches in the drawer without looking, what is the least number of socks he can take out to be sure of getting a pair of the same color?

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?

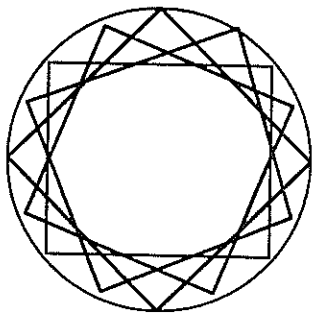




Answer: The cost of a dictionary is ____. The cost of an almanac is ____.

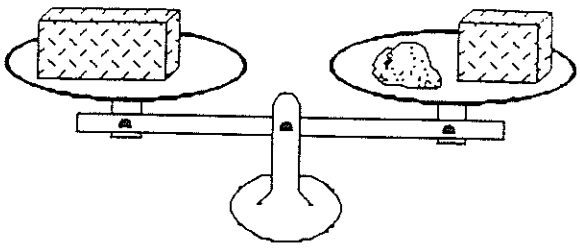
★ 4. How many squares are there in the circle?

Answer: _____ squares



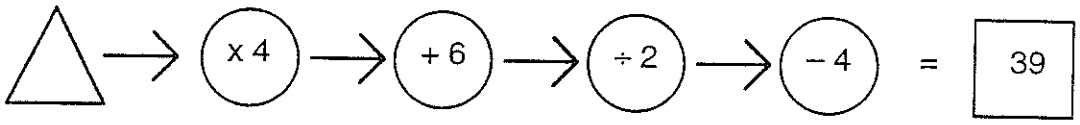
★★ 5. 5 years, 21 days, 4 hours, 32 minutes, 17 seconds
- 2 years, 93 days, 7 hours, 47 minutes, 24 seconds

★★★ 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 △ 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? _____

b. an odd number? _____

c. a number greater than 9? _____

d. either an odd number or 0? _____