

# SUNSHINE MATH - 4

## Jupiter, II

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

(This shows my own thinking.)

- ★★ 1. Hair grows about  $\frac{1}{2}$  inch each month. After you shave your head, how many years will it be until your hair is 1 foot in length?

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



- ★★ 2. Robert received a weekly allowance of \$6 on Monday. He put 50% of his money in his empty piggy bank, but then took out 50% of that money to go to a movie. How much money was left in the piggy bank?

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

- ★ 3. An arcade video game had a code built in. In order to play the game Tamika had to find the missing numbers. Help her by filling in the pattern below.

113, \_\_\_\_\_, 95, 86, 77, \_\_\_\_\_, 59, \_\_\_\_\_, 41, 32, 23, 14, 5.

- ★★★ 4. Sabrina used a calculator and started adding the whole numbers in order:

$$1 + 2 + 3 + 4 + 5 + \dots$$



What is the last number she would add that would get the sum on her calculator over 1,000?

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

- ★★ 5. Marcus, Aaron, and Jason went to a double feature movie. The show began at 1:45 pm and lasted for 4 hours and 27 minutes. At what time did the show end?

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

- ★ 6. Maria, Colleen, Patsy, and Kenya are 8, 9, 10, and 11 years old.

*Maria is older than Patsy and younger than Kenya.*

*Colleen is younger than Marie and older than Patsy.*

What is each girl's age?

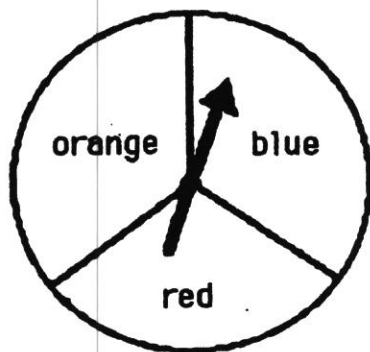
Answers: Maria: \_\_\_\_\_ years old.

Patsy: \_\_\_\_\_ years old

Colleen: \_\_\_\_\_ years old

Kenya: \_\_\_\_\_ years old

- ★★★★ 7. On a game board, landing on blue means to move ahead 1 space, landing on red means to move ahead 2 spaces, and landing on orange means to move back 1 space. If you took 30 spins, about where would you expect to be on the game board, relative to where you started?



Answer: I would be about \_\_\_\_\_ spaces \_\_\_\_\_  
(ahead or behind)

- ★★★ 8. Margarit liked to balance things. She balanced 3 pencil sharpeners and 2 one-gram blocks with a 100-gram weight and another one-gram block. She let  $x$  stand for the weight of one pencil sharpener, and she claimed that  $x = 30$  grams. Was she correct? If not, how much did each pencil sharpener weigh?

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

