

Name _____

Mathematical Marlena

Marlena is about to amaze you with great feats of mathematics.

Marlena says, "I want you to write the number 37 three times."

1. Now she says, "Multiply the first 37 by 1."

2. Then she tells you, "Multiply the second 37 by 2."

3. She directs you to "Multiply the third 37 by 3."

4. She says, "Take each product and multiply it by 3."

5. Marlena now asks, "What is the pattern if you continue to multiply 3 times the product of 37 and the next number in sequence?"

Then Marlena begins her second math game.

6. She tells you, "Write a number between 1 and 5."

7. Then she says, "Now add 5 to the number."

8. Now she says, "Multiply the number by 2."

9. She says, "Subtract 2 from the product."

10. Marlena then says, "Now multiply that answer by 2."

11. Then she asks you to "Divide the product by 4."

12. She finally directs you to "Subtract 4 from your answer."

Marlena says, "The answer is the number you wrote down!"