

## Problem of the Week #7

### Candles on a Cake

The candles on Jamie's birthday cake are in a **growing** pattern. The pattern is:

red,

red, orange;

red, orange, yellow;

red, orange, yellow, green;

The pattern continues and adds a blue  
and then a purple.



If this pattern ends with 1 purple candle, how many total candles are on Jamie's cake?

**How old is Jamie?**

**Show your work with pictures, numbers and words.**

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

(First and last name, please. Due 12/5/24)