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

**Falling Leaves**

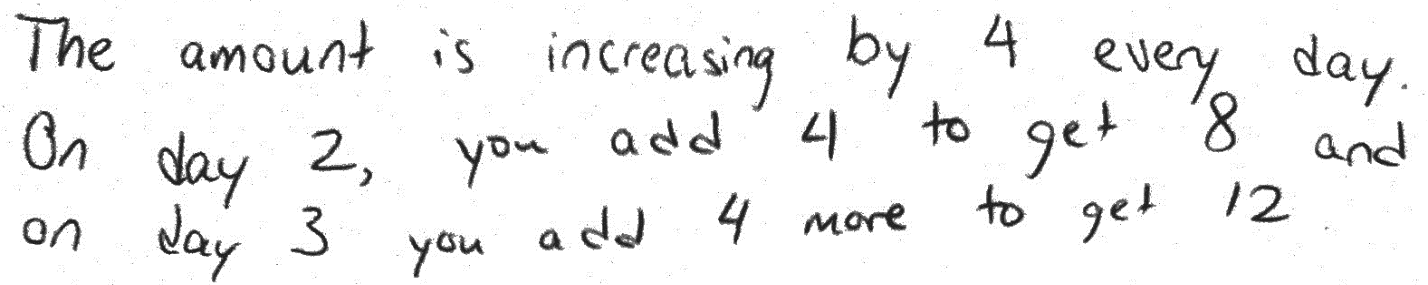
Jason has noticed that every day, more leaves are falling down into his yard. Over the past few days, he has observed the following pattern:

|  |  |  |
| --- | --- | --- |
| Monday (Day 1) | Tuesday (Day 2) | Wednesday (Day 3) |
|  |  |  |

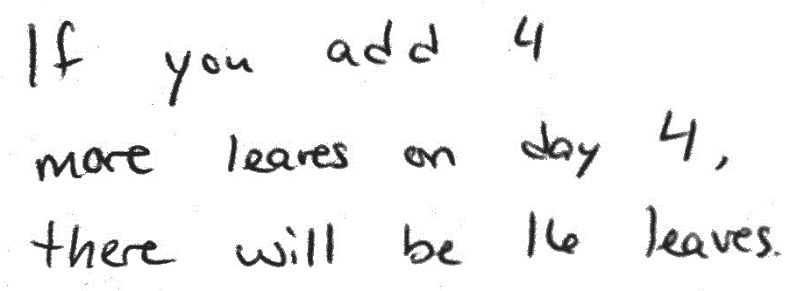
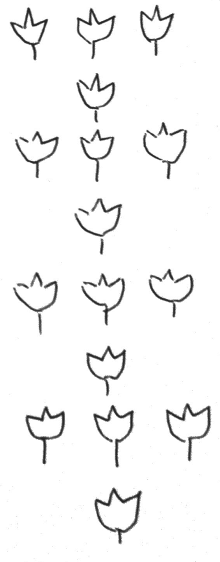
To learn more about the pattern, Jason asked a few questions to his friends, Marcus and Lucy.

**Here is Marcus’s response to Jason’s questions:**

1. Describe the pattern in your own words.

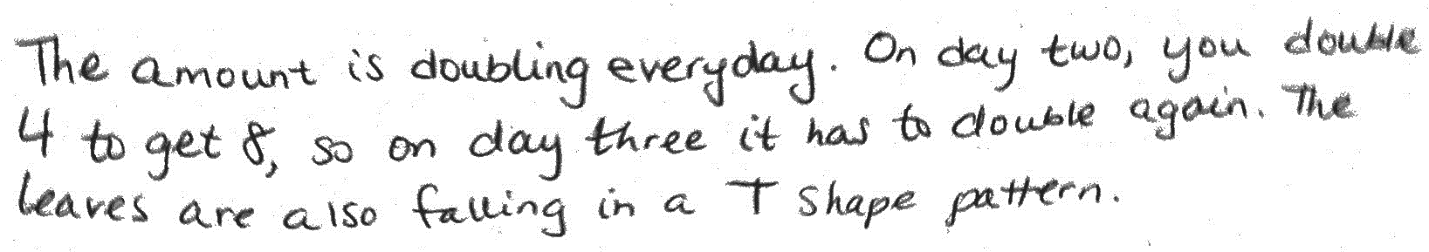


2. How many leaves can Jason expect to fall into his yard on Thursday (day 4)? You may express your answer as a number or as a picture.

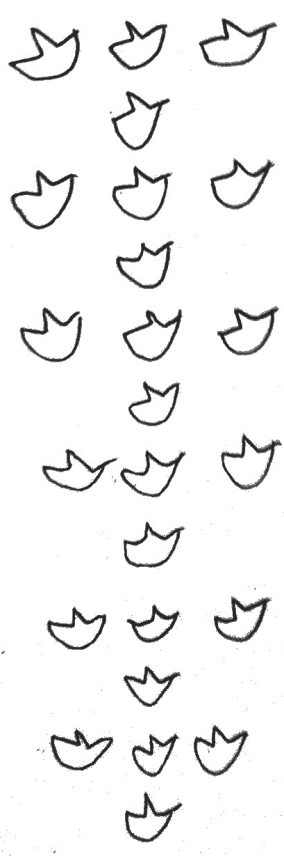
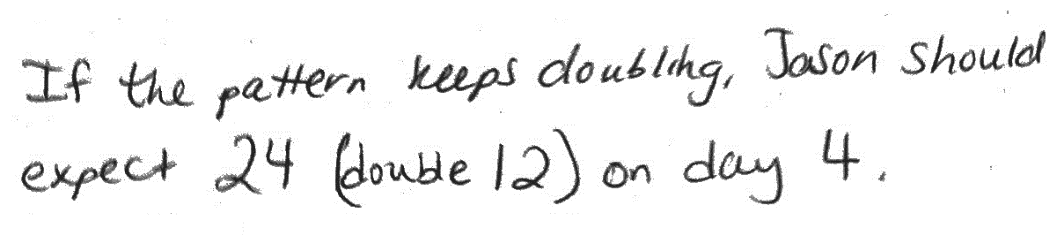
 

**Here is Lucy’s response to Jason’s questions:**

1. Describe the pattern in your own words.



2. How many leaves can Jason expect to fall into his yard on Thursday (day 4)? You may express your answer as a number or as a picture.



**Do you agree with Marcus, Lucy, or neither of them? Write an argument to defend your answer. Be sure to indicate what mistakes you believe each student made.**

**Response Sheet**

I agree with \_\_\_\_\_\_\_\_\_\_\_\_ because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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I know this is true because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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I think \_\_\_\_\_\_\_\_\_\_\_\_ made a mistake when \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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