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**EXERCISE: Inferring**

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There is a talking parrot named Honest John. Honest John *always tells the truth*. You talk with Honest John on the first day of every month. What can you infer from these conversations between you and Honest John?

**September 1**

1. Honest John says, "If it rains today, the sun will shine tomorrow."  
You say, "It's raining today, Honest John."  
What follows from what Honest John and you have said?

**October 1**

2. Honest John says, "If it rains today, the sun will shine tomorrow."  
You say, "But, Honest John, it's not raining today at all!"  
Does anything follow from what you and Honest John have said? If so, what?

**November 1**

3. Honest John says, "If it rains today, the sun will shine tomorrow."  
You say, the next day, "Look, Honest John, the sun is shining!"  
Does it follow that it rained the day before?

**December 1**

4. Honest John says, "If it rains today, the sun will shine tomorrow."  
The next day you say, "Hey, Honest John, the sun's not shining!"  
Did it rain the day before?

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**EXERCISE: Inferring**


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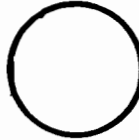
What inferences can you draw in each of the following cases:

**PART ONE**

1. Leroy has lots of marbles. They are all blue.

This is one of Leroy's marbles:

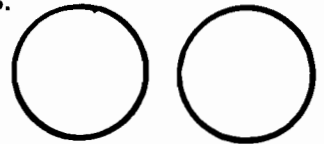
What color will you color Leroy's marble?



2. Everyone who lives at 18 Lincoln Street in our town has brown eyes.

Leroy lives at 18 Lincoln Street. These are his eyes:

What color will you make Leroy's eyes?



3. Lucy lives in the same town as Leroy. She lives at 9 Lincoln Street.

These are Lucy's eyes:

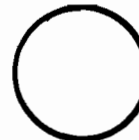
What color will you make Lucy's eyes?



4. Lucy has lots of marbles.

This is one of Lucy's marbles:

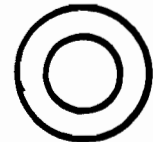
What color will you make Lucy's marble?



5. Lucy's mother wears a yellow ring. Leroy's mother wears a yellow ring.

This is Lester's mother's ring:

What color will you make the ring worn by Lester's mother?

**PART TWO**

In which of the above cases (1, 2, 3, 4 and 5) did you *have to* use a certain color? In which cases could you use any color you liked?

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