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**Logic Puzzle 5**

**Meeting the People**

Yesterday, Ava Goatter, Junior Minister at the Department of Communications visited a rural area of the East of England and spoke about the latest government policies to four different groups of concerned citizens at different locations. From the clues given below, can you work out the village and location where Ava spoke at each of the listed time, and say to which group of people she spoke?

**Clues:**

1. At the historic Tithe Barn, Ava spoke to a group of parents worried about their children's education.
2. The unruly group of farmers, who were so angry about the latest changes in agricultural policy that they threw tomatoes at poor Ava, were in the tiny village of Luce End, which has no school.
3. Two hours after what turned out to be a rather ill tempered confrontation with a group of parish councilors, Ava addressed another group of people at the Village Hall in Touchwood.
4. Ava's last speech of the day was, appropriately, in Farewell; her midday talk wasn't given in Runndown.

	Farewell	Luce End	Runndown	Touchwood	Church Hall St. Mark's School	Tithe Barn	Village Hall	Farmers	Parent Parish councilors	Shop owners
10:00am										
12:00 noon										
2:00pm										
4:00pm										
Farmers										
Parents Parish councilors										
Shop owners										
Church Hall St. Mark's School										
Tithe Barn										
Village Hall										

**Times**                  **Village**                  **Venue**                  **Audience**

- 1.
- 2.
- 3.
- 4.

**LOGICAL FALLACIES ASSESSMENT ACTIVITY**

Bob is a great volleyball player. Bob also drinks a lot of orange juice. Orange juice must make you good at volleyball.

**Ad Hominem**

**Definition:**  
This fallacy takes place when someone attempts to attack someone personally as opposed to countering their argument.

**Summary:** Personal attacks instead of addressing the disagreement.

**Examples:**  
"Well, you're obviously just too young to understand this."  
Instead of addressing the argument, this statement attacks the age of the opponent.  
"Well, you're in the same political party as that crook, how can you possibly know what real people think?"  
This statement attacks the opponent's political beliefs instead of addressing the argument.  
"What could you know about teaching? You didn't graduate from an Ivy League school."  
This statement takes a shot at the opponent's educational choice instead of listening to their argument.

**Tips for finding Ad Hominem:**  
Look for statements that attack something about the person instead of addressing the argument at hand.

Climate change has increased a lot in the last 100 years. Infectious diseases have decreased a lot in the last 100 years. A drop in infectious diseases must increase climate change.

**Analyze Strategies: Use Logical Reasoning**

Use logical reasoning to solve the problem.

1. Five friends went fishing on a school campout. Sarah, Nancy, Marta, Frank and Yoko each caught one fish. Read the clues. Then use them to determine each student's catch.

- Marta's fish was longer than Sarah's fish.
- Yoko's fish was 2 in. longer than Nancy's fish.
- The length of Sarah's fish was not a multiple of 2.
- Nancy did not catch the smallest fish.

Who caught which fish?

a. Sarah \_\_\_\_\_                  b. Nancy \_\_\_\_\_

c. Marta \_\_\_\_\_                  d. Frank \_\_\_\_\_

e. Yoko \_\_\_\_\_

Use any strategy to solve each problem.

2. Kevin collected 50 sea creatures. He has sand dollars, starfish, and sea urchins. Use these clues to find out how many of each type he has.

- He has four times as many starfish as sand dollars.
- He has 8 more sea urchins than sand dollars.

**Answers to the Problems**

1. Sarah caught the minnow. Nancy caught the bluegill. Marta caught the bass. Frank caught the catfish. Yoko caught the trout.

2. Kevin has 10 sand dollars, 40 starfish, and 8 sea urchins.

