**Prime Detectives**

I can identify prime numbers.

Sing-Song Aloud is a very popular competition for singing. Every year, thousands of people enter the competition in search of fame.

This year is no different… but there has been a crime committed! Somebody has sabotaged the equipment and they have broken the microphones, with only pig-like sounds being emitted! The police have been investigating exactly what happened.

As the Detective Chief Inspector, it is your job to work out who the saboteur is. Your officers have taken down the names and descriptions of the people on set that day. Your task is to solve the clues and work out who has sabotaged the equipment!

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Gender** | **Height** | **Left-handed or right-handed** |
| Amelia Killen-Browne | female | tall | left |
| Barry Shaw | male | short | right |
| Fenella Bentley | female | tall | left |
| Gurdeep Mehmi | male | short | left |
| Janice Twist | female | short | right |
| Ken Corder | male | tall | right |
| Ling Chang | male | tall | left |
| Mei Chang | female | short | left |
| Nancy Greene | female | tall | right |
| Ramesh Iqbal | male | tall | right |

Clue One

Circle all of the prime numbers. If the amount of prime numbers is odd, then the saboteur is female. If the amount of prime numbers is even, then the saboteur is male.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 52 | 9 | 111 | 19 | 83 | 85 | 31 | 59 | 89 |
| 133 | 21 | 22 | 88 | 15 | 90 | 17 | 57 | 131 | 72 |

The saboteur is .

Clue Two

Count in prime numbers from the first number in the circle, and then take the last number you reach and find the corresponding word in the table below. Rearrange the words to form a sentence and solve the first clue.

2

13

47

83

|  |  |  |  |
| --- | --- | --- | --- |
| the 11 | microphone 9 | ran 2 | stole 71 |
| short 101 | broken 27 | saboteur 29 | of 15 |
| was 67 | a 69 | singer 16 | tall 103 |

Clue Three

Look at the numbers in the circles. Write the nearest prime number lower than the number in the left-hand boxes and the nearest prime number higher in the right-hand boxes. Then add each column of boxes up. If either column adds to exactly 183, the saboteur is left handed.



45



15



9



68



34



The saboteur is handed.

The saboteur is .