



The Mystery of the Great Bakes Thief



Great Bakes is a popular local bakery that makes the most delicious cakes and every Saturday, hundreds of people visit it to buy doughnuts, cream cakes and other goodies to enjoy at the weekend. However, last night there was a burglary at Great Bakes and now the shelves are empty. The police have been investigating what happened.

As the Detective Chief Inspector, it is your job to find out who the greedy thief is. Your officers have taken down the names of possible suspects. Your task is to solve the clues and find out who the thief is.

Name	Gender	Height	Right or left-handed
Hannah Brown	female	short	right
Susan Granger	female	tall	right
Henry Jones	male	short	left
Yavna Chowdhury	female	short	right
Simon King	male	tall	right
Tan Yong	male	short	right
Helen Edwards	female	short	left
Toby Ply	male	tall	right
Jack Grande	male	tall	left
Temi Howler	female	short	left
Patrick Jenson	male	tall	right



Clue One

Circle all of the prime numbers in the list below. If you have an even number of prime numbers, the suspect is male. If you have an odd number of prime numbers, the suspect is female.

- | | | | | | |
|---|----|----|----|----|----|
| 2 | 14 | 9 | 10 | 15 | 8 |
| 3 | 18 | 7 | 13 | 19 | 5 |
| 4 | 17 | 11 | 16 | 6 | 12 |

Clue Two

Write the missing prime numbers in the sequences below then add them up. If the total is a prime number, the suspect is right-handed. If the total is not a prime number, the suspect is left-handed.

5	7	13
---	---	----

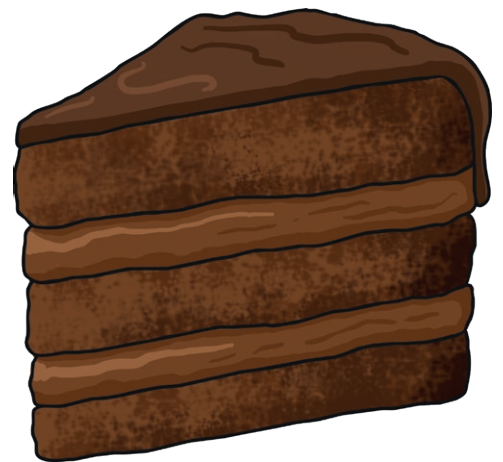
2	3	7
---	---	---

11	13	17
----	----	----

13	11	5
----	----	---

	3	5	7
--	---	---	---

5	11	13
---	----	----



Clue Three

Find a way through the maze by colouring statements that are true. You can only go up or down, left or right.

The path will lead to a clue about the height of the guilty suspect.

Start	11 is a prime number	9 is a prime number	3 is a prime number
17 is not a prime number	19 is a prime number	15 is not a prime number	all prime numbers are odd
10 is a prime number	13 is not a prime number	7 is a prime number	15 is a prime number
5 is a prime number	7 is not a prime number	8 is not a prime number	2 is the only even prime number
11 is not a prime number	3 is not a prime number	9 is an odd prime number	3 is a prime number
They are tall.	They are short.	They are tall.	They are short.



The Mystery of the Great Bakes Thief - Answers

Clue One

Circle all of the prime numbers in the list below. If you have an even number of prime numbers, the suspect is male. If you have an odd number of prime numbers, the suspect is female.

2	14	9	10	15	8
3	18	7	13	19	5
4	17	11	16	6	12

Clue Two

Write the missing prime numbers in the sequences below then add them up. If the total is a prime number, the suspect is right-handed. If the total is not a prime number, the suspect is left-handed.

5 7 **11** 13

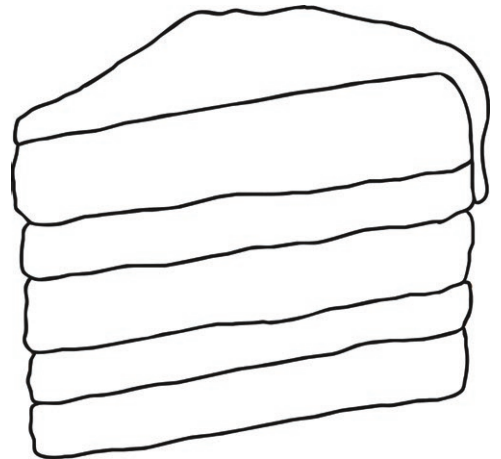
2 3 **5** 7

11 13 17 **19**

13 11 **7** 5

2 3 5 7

5 **7** 11 13



$$11 + 5 + 19 + 7 + 2 + 7 = 51$$

The guilty suspect is **left-handed**.



Clue Three

Find a way through the maze by colouring statements that are true. You can only go up or down, left or right.

The path will lead to a clue about the height of the guilty suspect.

Start	11 is a prime number	9 is a prime number	3 is a prime number
17 is not a prime number	19 is a prime number	15 is not a prime number	all prime numbers are odd
10 is a prime number	13 is not a prime number	7 is a prime number	15 is a prime number
5 is a prime number	7 is not a prime number	8 is not a prime number	2 is the only even prime number
11 is not a prime number	3 is not a prime number	9 is an odd prime number	3 is a prime number
They are tall.	They are short.	They are tall.	They are short.

The guilty suspect is **short**.

The guilty suspect is **Henry Jones**.

