

# The Mystery <sup>of</sup> <sub>the</sub> Royal Wedding Ring Robbery

It is the morning that the crowds have been waiting for: Prince Harry and Meghan Markle's wedding day.

Prince Harry and his best man were making their last-minute checks before leaving the building to face the world's press, when they found that the wedding rings had been stolen!

You are the chief detective and with the help of your Scene of Crime Officers (SOCOs) you must crack the case. Without the rings, the wedding cannot go ahead!

The rings were last seen during breakfast, so the staff have given you a list of people present in the breakfast room. Solve the following clues to find out the identity of the perpetrator based on their gender, appearance and breakfast choices.

The whole world will be waiting!

**Good luck!**



# The Mystery of the Royal Wedding Ring Robbery

Name	Gender	Breakfast Drink	Breakfast Food	Hair Colour	Shoe Size
Andrew Arthur	Male	English Tea	Full English	Ginger	10
Anne Albert	Female	Coffee	Continental	Black	8
Beatrice Buckingham	Female	Orange Juice	Porridge & Fruit	Brown	9
Bertie Balmoral	Male	Coffee	Eggs on Toast	Ginger	5
Charles Commonwealth	Male	English Tea	Full English	Bald	10
Camilla Coburg	Female	Orange Juice	Continental	Black	6
Delilah Duke	Female	Coffee	Porridge & Fruit	Ginger	8
David Duchess	Male	Coffee	Full English	Grey	7
Eugenie Earl	Female	Orange Juice	Eggs on Toast	Brown	10
Edward Empire	Male	English Tea	Continental	Brown	9
Felipe Footman	Male	Orange Juice	Full English	Bald	5
Frances Fortress	Female	Water	Eggs on Toast	Ginger	4
George Garter	Male	Coffee	Continental	Bald	7
Grace Gilt	Female	English Tea	Full Vegetarian	Blonde	3
Henry Heir	Male	English Tea	Continental	Black	8
Holy-Rood Highness	Female	Coffee	Continental	Brown	4
Isla In-Waiting	Female	Herbal Tea	Porridge & Fruit	Blonde	7
Ida Investiture	Male	Orange Juice	Full English	Grey	5
James Jubilee	Male	English Tea	Eggs on Toast	Brown	10
Jane Joust	Female	Water	Full Vegetarian	Blonde	6
Kate Kingdom	Female	Coffee	Porridge & Fruit	Ginger	8
Ken Sington-Knight	Male	English Tea	Continental	Grey	9
Lisa Lady	Female	Herbal Tea	Full English	Brown	5
Louis Lord	Male	Coffee	Eggs on Toast	Ginger	8
Mountbatten Moat	Male	Orange Juice	Continental	Bald	10
Mia Monarch	Female	Coffee	Full English	Brown	6
Nicholas Noble	Male	Coffee	Full Vegetarian	Grey	8
Natalia Nobility	Female	Herbal Tea	Eggs on Toast	Ginger	9
Olga Orb	Female	English Tea	Full English	Blonde	4
Osbert OBE	Male	Water	Continental	Black	7
Philip Palace	Male	Coffee	Porridge & Fruit	Brown	8
Princess Pageant	Female	English Tea	Full English	Ginger	9



# Royal Breakfast Menu

## **Drinks:**

English Breakfast Tea

Fresh Coffee

Fresh Orange Juice

Herbal Tea

Water

Fresh Milk (hot or cold)

## **Main Choices:**

### **Full English Breakfast**

Bacon, eggs, sausages, black pudding, beans, mushrooms and toast.

### **Full Vegetarian Breakfast**

Vegetarian sausages, eggs, hash browns, beans, mushrooms and toast.

### **Eggs on Toast**

Two eggs on brown or white toasted bagel  
with optional extras of salmon, ham or avocado.

### **Continental Breakfast**

A choice of breads, cold meats and cheese.

### **Porridge and Fruit**

Traditional porridge with blueberries, strawberries, raspberries  
and a drizzle of honey.

## Clue 1

Your SOCOs have scoured the breakfast room and the exits.

One of your SOCOs has found the cloth that the rings were wrapped in. The location of this evidence gives you a clue to the gender of the thief.

The clue is written in improper fractions and to solve it, you need to find the letter with the matching whole or mixed number.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	$2\frac{1}{4}$	$3\frac{1}{6}$	5	$2\frac{1}{3}$	2	4	$3\frac{1}{5}$	$3\frac{3}{4}$	$\frac{2}{3}$	$3\frac{2}{11}$	$5\frac{2}{5}$	$2\frac{9}{10}$
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
$1\frac{7}{9}$	$3\frac{3}{5}$	3	7	$1\frac{1}{4}$	$3\frac{1}{3}$	$2\frac{2}{3}$	$1\frac{1}{2}$	6	$2\frac{3}{4}$	$1\frac{6}{7}$	$2\frac{2}{9}$	$3\frac{3}{7}$

$\frac{20}{10}$	$\frac{18}{5}$	$\frac{3}{2}$	$\frac{16}{9}$	$\frac{25}{5}$

$\frac{15}{4}$	$\frac{16}{9}$	$\frac{8}{3}$	$\frac{16}{5}$	$\frac{7}{3}$	$\frac{29}{10}$

$\frac{12}{12}$	$\frac{27}{5}$	$\frac{7}{3}$	$\frac{19}{6}$	$\frac{27}{5}$	$\frac{18}{5}$

$\frac{6}{6}$	$\frac{35}{11}$	$\frac{5}{4}$	$\frac{18}{5}$	$\frac{18}{5}$	$\frac{29}{10}$

Clue 1: \_\_\_\_\_.

## Clue 2

You have closely inspected the cloth that was found and noticed that there is some sort of liquid spilled on it. The SOCOs have sent the cloth to be analysed. The clue below will tell you what is on the cloth and this will tell you what the criminal had to drink with their breakfast.

Solve the clue by working out the differences between the times below. Each answer will give you a number which will give you a letter using the code: 1=A, 2=B, 3=C etc.

	Times	Difference in minutes	Letter
1.	8:56 a.m. to 9:16 a.m.		
2.	11:45 a.m. to 12:03 p.m.		
3.	23:59 to 00:00		
4.	10:28 a.m. to 10:31 a.m.		
5.	4:58 p.m. to 5:03 p.m.		
6.	9:47 a.m. to 10:06 a.m.		
7.	3:22 p.m. to 3:37 p.m.		
8.	6:59 a.m. to 7:05 a.m.		
9.	14:39 to 14:42		
10.	19:50 to 20:05		
11.	01:55 to 02:01		
12.	17:45 to 17:51		
13.	13:39 to 13:44		
14.	05:58 to 06:03		

Clue 2: \_\_\_\_\_.



## Clue 3

You have been following possible routes out of the breakfast rooms and cloakrooms and have found the empty ring box wedged in one of the fire exit doors. The box is less than pristine, but it does hold some clues.

Firstly, there is a sticky fingerprint on the box. The fingerprint is not perfect and will have to be sent off to the lab, but your SOCOs have identified the substance on the box, giving you a clue to the robber's choice of breakfast.

To reveal the food, shade in the following numbers on this grid and the answer will be revealed in the remaining squares. The menu will help you.

**Shade in all of the square numbers, prime numbers and multiples of 11.**

100	61	23	1	43	64	79	37	7	22	49
6	54	32	64	60	14	45	9	18	62	50
24	2	83	13	76	144	90	73	38	5	74
72	30	58	33	28	10	84	53	95	46	8
42	19	99	25	41	66	56	16	88	44	34
12	82	40	71	97	11	20	77	89	81	70
31	4	132	17	80	35	68	3	26	15	52
47	144	121	55	110	36	154	59	165	29	176

Clue 3: \_\_\_\_\_.

## Clue 4

When the fingerprint was analysed at the lab, a hair belonging to the culprit was found.

Solve this clue to identify the culprit's hair colour. Multiply these decimals to find a message using the code A=1, B=2, C=3 etc.

Calculation	Answer	Letter
$0.2 \times 100$		
$0.5 \times 16$		
$2.5 \times 2$		
$0.25 \times 32$		
$0.2 \times 5$		
$1.8 \times 5$		
$1.5 \times 12$		
$0.75 \times 12$		
$4.75 \times 4$		
$1.4 \times 5$		
$0.25 \times 36$		
$0.14 \times 100$		
$1.75 \times 4$		
$0.2 \times 25$		
$4.5 \times 4$		

Clue 4: \_\_\_\_\_.

## Clue 5

The last piece of the jigsaw falls into place as a footprint is found at the scene. You gather the remaining suspects and check their shoes.

Solve the calculations below and the mode will give you the shoe size of the criminal!

	Calculation	Answer
DCCLXVIII ÷ XCVI		
MMDCCCLXXV ÷ DLV		
DLXVII ÷ LXIII		
CMXCII ÷ CXXIV		



Clue 5: \_\_\_\_\_.



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## Answers

### Clue 1

$\frac{20}{10}$	$\frac{18}{5}$	$\frac{3}{2}$	$\frac{16}{9}$	$\frac{25}{5}$
2	$3\frac{3}{5}$	$1\frac{1}{2}$	$1\frac{7}{9}$	5

$\frac{15}{4}$	$\frac{16}{9}$	$\frac{8}{3}$	$\frac{16}{5}$	$\frac{7}{3}$	$\frac{29}{10}$
$3\frac{3}{4}$	$1\frac{7}{9}$	$2\frac{2}{3}$	$3\frac{1}{5}$	$2\frac{1}{3}$	$2\frac{9}{10}$

$\frac{12}{12}$	$\frac{27}{5}$	$\frac{7}{3}$	$\frac{19}{6}$	$\frac{27}{5}$	$\frac{18}{5}$
1	$5\frac{2}{5}$	$2\frac{1}{3}$	$3\frac{1}{6}$	$5\frac{2}{5}$	$3\frac{3}{8}$

$\frac{6}{6}$	$\frac{35}{11}$	$\frac{5}{4}$	$\frac{18}{5}$	$\frac{18}{5}$	$\frac{29}{10}$
1	$3\frac{2}{11}$	$1\frac{1}{4}$	$3\frac{3}{5}$	$3\frac{3}{5}$	$2\frac{9}{10}$

Clue 1: **Found in the male cloakroom**

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## Answers

### Clue 2

	<b>Times</b>	<b>Difference in minutes</b>	<b>Letter</b>
1.	8:56 a.m. to 9:16 a.m.	<b>20</b>	<b>T</b>
2.	11:45 a.m. to 12:03 p.m.	<b>18</b>	<b>R</b>
3.	23:59 to 00:00	<b>1</b>	<b>A</b>
4.	10:28 a.m. to 10:31 a.m.	<b>3</b>	<b>C</b>
5.	4:58 p.m. to 5:03 p.m.	<b>5</b>	<b>E</b>
6.	9:47 a.m. to 10:06 a.m.	<b>15</b>	<b>S</b>
7.	3:22 p.m. to 3:37 p.m.	<b>15</b>	<b>O</b>
8.	6:59 a.m. to 7:05 a.m.	<b>6</b>	<b>F</b>
9.	14:39 to 14:42	<b>3</b>	<b>C</b>
10.	19:50 to 20:05	<b>15</b>	<b>O</b>
11.	01:55 to 02:01	<b>6</b>	<b>F</b>
12.	17:45 to 17:51	<b>6</b>	<b>F</b>
13.	13:39 to 13:44	<b>5</b>	<b>E</b>
14.	05:58 to 06:03	<b>5</b>	<b>E</b>

Clue 2: **Traces of coffee**

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## Answers

### Clue 3

100	61	23	1	43	64	79	37	7	22	49
6	54	32	64	60	14	45	9	18	62	50
24	2	83	13	76	144	90	73	38	5	74
72	30	58	33	28	10	84	53	95	46	8
42	19	99	25	41	66	56	16	88	44	34
12	82	40	71	97	11	20	77	89	81	70
31	4	132	17	80	35	68	3	26	15	52
47	144	121	55	110	36	154	59	165	29	176

Clue 3: **Egg**

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## Answers

### Clue 4

Calculation	Answer	Letter
$0.2 \times 100$	20	T
$0.5 \times 16$	8	H
$2.5 \times 2$	5	E
$0.25 \times 32$	8	H
$0.2 \times 5$	1	A
$1.8 \times 5$	9	I
$1.5 \times 12$	18	R
$0.75 \times 12$	9	I
$4.75 \times 4$	19	S
$1.4 \times 5$	7	G
$0.25 \times 36$	9	I
$0.14 \times 100$	14	N
$1.75 \times 4$	7	G
$0.2 \times 25$	5	E
$4.5 \times 4$	18	R

Clue 4: **The hair is ginger.**

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## Answers

### Clue 5

	Calculation	Answer
DCCLXVIII ÷ XCVI	768 ÷ 96	8
MMDCCCLXXV ÷ DLV	2775 ÷ 555	5
DLXVII ÷ LXIII	567 ÷ 63	9
CMXCII ÷ CXXIV	992 ÷ 124	8

Clue 5: **8**

**The Culprit: Louis Lord**