

# The Mystery at the Perfect Pancake Competition

## Maths Game

Residents of Maple Drive have an annual pancake competition. Each year, competitors attempt to make the tastiest pancakes on the street. The stakes are high with £350 as first prize and the much-coveted perfect pancake trophy!

The pancakes must be made in the village hall and competitors are not allowed to enter the building until 9 a.m. All the necessary ingredients and equipment must be stored in the hall from the previous night.

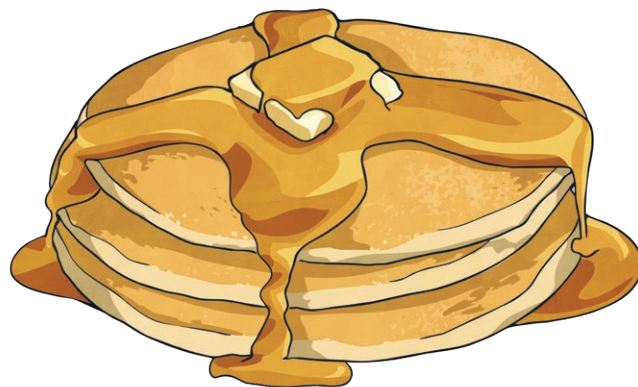
Mrs Whisk has unlocked the hall and people begin to arrive. As the competitors begin measuring out their ingredients and cracking the eggs, the first pancakes are soon being flipped.

The competitors have to try their pancakes to make sure the mixture is just right. It soon becomes clear that there is something very wrong with everyone's pancakes! On closer investigation, it is evident that someone has added large amounts of salt to the flour!

Who would commit such a terrible crime?

Your task is to use the descriptions of all the suspects and find out who has contaminated the competition flour with salt!

Good luck!



Name	M/ F	Tall or Short?	Hair Colour	Favourite Pancake Topping	Age
Asha Ate	F	tall	blonde	blueberry and strawberry	23
Bartek Batter	M	tall	black	maple syrup	40
Chrissie Circle	F	short	red	banana and yoghurt	66
Darrell Disc	M	tall	brown	chocolate sauce	53
Edith Egg	F	tall	brown	banana and yoghurt	29
Fathi Flip	M	short	black	blueberry and strawberry	61
Graham Gobble	M	tall	brown	banana and yoghurt	45
Hina Hob	F	short	black	chocolate sauce	20
Isaac Ingredients	M	tall	red	maple syrup	52
Jai Jam	M	tall	black	blueberry and strawberry	57
Sara Sauce	F	tall	brown	banana and yoghurt	62
Lisa Lemon	F	tall	red	chocolate sauce	28
Meena Mix	F	tall	brown	banana and yoghurt	36
Tia Tasty	F	short	brown	banana and yoghurt	48
Oliver Oeufs	M	short	brown	blueberry and strawberry	31
Phoebe Pan	F	short	black	chocolate sauce	57
Harvey Heat	M	tall	brown	chocolate sauce	60
Rita Round	F	tall	blonde	blueberry and strawberry	55
Steve Shrove	M	short	black	maple syrup	32
Terrence Topper	M	tall	brown	chocolate sauce	68
Una Underside	F	tall	brown	chocolate sauce	33
Mary More	F	short	blonde	banana and yoghurt	64
Wesley Whisk	M	tall	red	maple syrup	53
Yvonne Yoghurt	F	tall	brown	chocolate sauce	61
Frankie Flour	M	short	black	banana and yoghurt	66
Abbas Awesome	M	tall	red	maple syrup	58
Bridget Brunch	F	tall	brown	banana and yoghurt	35
Clare Cooker	F	tall	brown	chocolate sauce	49
Dominika Delicious	F	short	black	chocolate sauce	28
Erik Edible	M	short	brown	blueberry /strawberry	50

## Clue 1

# More Pancakes, Anyone?

For each number in the pancakes, find the number in the table which is 10 or 100 more or less. Then, circle the answer in the box and rearrange the words to solve the first clue.



<b>912</b> did	<b>827</b> a	<b>297</b> ladder
<b>126</b> reach	<b>277</b> hair	<b>772</b> to
<b>733</b> did	<b>550</b> not	<b>990</b> banana
<b>287</b> need	<b>495</b> pancake	<b>268</b> the
<b>1021</b> pirate	<b>762</b> tall	<b>545</b> the
<b>845</b> under	<b>99</b> salt	<b>206</b> black

Answer to clue 1:

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## Clue 2

# Matching Pancakes

What is the value of the underlined digits?

Rearrange the words in the matching pancakes to solve clue 2.

2078

1992

5551

9020

4124

1151



Answer to clue 2:

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## Clue 3

# Spell It Out!

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>	<b>g</b>	<b>h</b>	<b>i</b>	<b>j</b>	<b>k</b>	<b>l</b>	<b>m</b>
9	7	2	40	18	11	28	3	24	50	20	13	62

<b>n</b>	<b>o</b>	<b>p</b>	<b>q</b>	<b>r</b>	<b>s</b>	<b>t</b>	<b>u</b>	<b>v</b>	<b>w</b>	<b>x</b>	<b>y</b>	<b>z</b>
112	208	14	19	5	12	8	4	1	10	0	30	99

	answer	letter
The number of eights in 24		
<input type="text"/> × 4 = 36		
The next multiple in the sequence: 18, 20, 22, _____		
Which digit is in the tens column? 258		
Number of tens in one hundred		
137 – 128		
$\frac{1}{4}$ of 48		
Which digit is in the hundreds column? 736		
40 ÷ 8		
52 × 4		
120 ÷ <input type="text"/> = 12		
421 – 309		

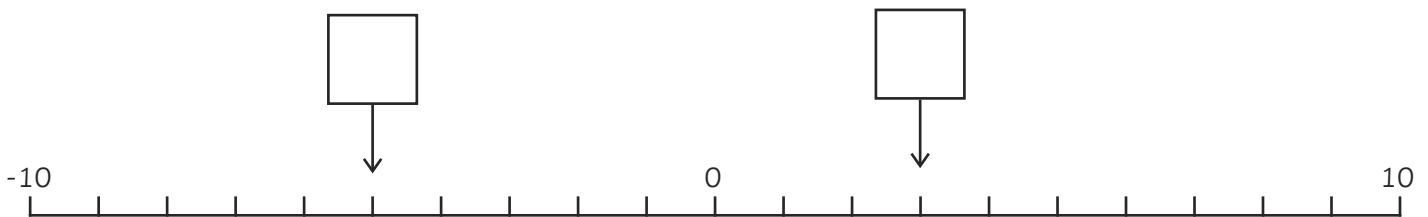
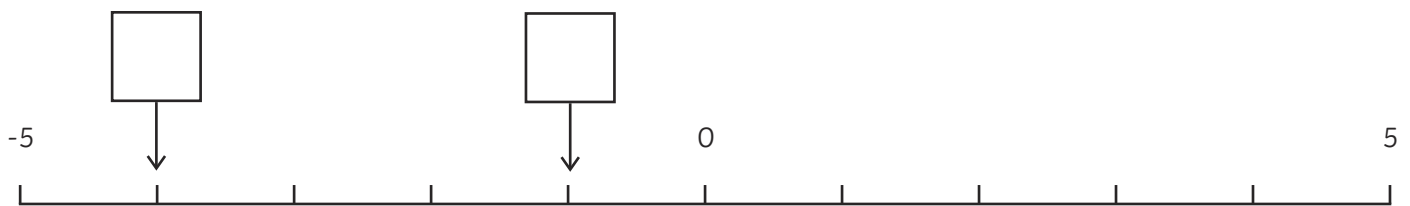
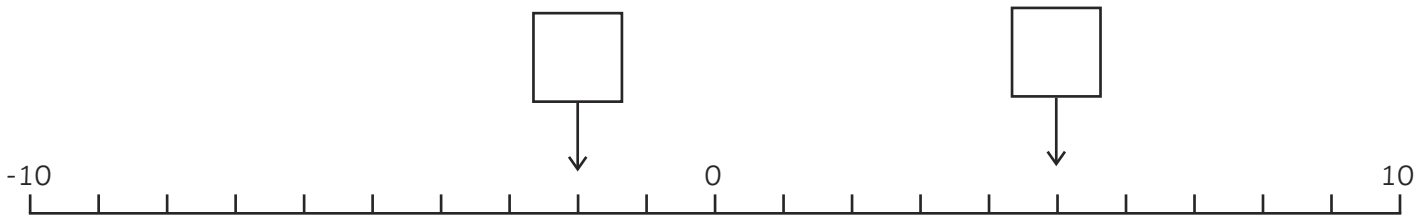
Answer to clue 3:

\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ .

## Clue 4

# Missing Numbers

Put the missing numbers on the number lines. Then, rearrange the words in the table to solve the clue.



<b>-1</b> favourite	<b>2</b> chocolate sauce	<b>-4</b> was	<b>1</b> didn't
<b>-3</b> blueberry and strawberry	<b>3</b> culprit's	<b>7</b> maple syrup	<b>-2</b> banana and yoghurt
<b>5</b> topping	<b>0</b> not	<b>-5</b> the	<b>4</b> have

Answer to clue 4:

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## Clue 5

# Pancake Maze

Follow the path identifying the multiples of either the two, four or eight times tables, and find out which decade the culprit's age is in.

<b>start</b>	13	21	35	19	11	9	22
24	32	27	14	66	18	5	30
27	16	40	19	42	14	33	24
15	17	12	16	17	84	19	14
29	31	33	20	36	29	15	2
18	19	37	11	48	13	26	12
90	72	35	65	44	8	21	33
95	75	27	17	13	64	4	8
80	21	36	24	21	85	23	56
88 <b>forties</b>	24	36 <b>thirties</b>	82	48 <b>twenties</b>	92	41	72 <b>sixties</b>

**Answer to clue 5:**

The culprit is in their \_\_\_\_\_.

Have you solved the mystery of the pancake saboteur?

It was \_\_\_\_\_.

# The Mystery at the Perfect Pancake Competition **Answers**

## Clue 1 More Pancakes, Anyone?

	<b>827</b> a	<b>297</b> ladder
<b>126</b> reach		<b>772</b> to
<b>733</b> did	<b>550</b> not	
<b>287</b> need	<b>495</b> pancake	<b>268</b> the
<b>1021</b> pirate		<b>545</b> the
	<b>99</b> salt	

Answer to clue 1:

The pancake pirate did not need a ladder to reach the salt.

## Clue 2 Matching Pancakes

2078    1992    5551    9020    4124    1151

one thousand hair  
two hundreds maple syrup  
four thousands spoiler  
nine tens was  
five tens female  
eight tens chocolate  
eight ones pancake  
four hundreds topping  
nine hundreds brown  
five hundreds not  
one hundred the  
two tens male

Answer to clue 2:

The pancake spoiler was not male.



# The Mystery at the Perfect Pancake Competition **Answers**

## Clue 3 Spell It out!

	answer	letter
The number of eights in 24	3	h
<input type="text"/> $\times 4 = 36$	9	a
The next multiple in the sequence: 18, 20, 22, _____	24	i
Which digit is in the tens column? 258	5	r
Number of tens in one hundred	10	w
$137 - 128$	9	a
$\frac{1}{4}$ of 48	12	s
Which digit is in the hundreds column? 736	7	b
$40 \div 8$	5	r
$52 \times 4$	208	o
$120 \div \text{} = 12$	10	w
$421 - 309$	112	n

Answer to clue 3: **Hair was brown**

## Clue 4 Missing Numbers

-1 favourite		-4 was	
	3 culprit's		-2 banana and yoghurt
5 topping		-5 the	

Answer to clue 4:

**The culprit's favourite topping was banana and yoghurt.**

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# The Mystery at the Perfect Pancake Competition **Answers**

## Clue 5 Pancake Maze

<b>start</b>	13	21	35	19	11	9	22
<b>24</b>	<b>32</b>	27	14	66	18	5	30
27	<b>16</b>	<b>40</b>	19	42	14	33	24
15	17	<b>12</b>	<b>16</b>	17	84	19	14
29	31	33	<b>20</b>	<b>36</b>	29	15	2
18	19	37	11	<b>48</b>	13	26	12
90	72	35	65	<b>44</b>	<b>8</b>	21	33
95	75	27	17	13	<b>64</b>	<b>4</b>	<b>8</b>
80	21	36	24	21	85	23	<b>56</b>
88 forties	24	36 thirties	82	48 twenties	92	41	<b>72</b> <b>sixties</b>

Answer to clue 4:

**The culprit is in their sixties.**

Have you solved the mystery of the pancake saboteur?

**The pancake saboteur is Sara Sauce.**