

The Mystery of the Missing Halloween Pumpkins **Answers**

Clue 1 Sort the answers to these calculations into the correct box. Some numbers will belong in more than one box.

The box with the most numbers will give you a clue about the person's hair colour.

$15 \div 3 = 5$	$3 \times 4 = 12$	$64 \div 8 = 8$	$40 \div 4 = 10$
$12 \div 4 = 3$	$56 \div 8 = 7$	$2 \times 8 = 16$	$9 \times 3 = 27$
$12 \times 8 = 96$	$18 \div 3 = 6$	$6 \times 8 = 48$	$5 \times 8 = 40$
$72 \div 8 = 9$	$10 \times 8 = 80$	$5 \times 3 = 15$	$3 \div 3 = 1$

Even Number	Odd Number	Multiple of Five
6, 8, 10, 12, 16, 40, 48, 80 96	1, 3, 5, 7, 9, 15, 27	5, 10, 15, 40, 80
The person doesn't have blonde hair.	The person doesn't have black hair.	The person doesn't have ginger hair.

Clue: The person doesn't have blonde hair.

Clue 2 Find a path through the maze by colouring in the correct number bonds of 100. The path will reveal a clue about the favourite colour of the person who has taken the pumpkins.

START	46 + 54	80 + 30	95 + 6	14 + 76
14 + 96	70 + 30	19 + 81	72 + 28	15 + 85
60 + 50	11 + 79	54 + 56	34 + 76	23 + 77
72 + 28	55 + 55	69 + 31	67 + 33	51 + 49
69 + 31	21 + 89	95 + 5	99 + 2	36 + 74
92 + 8	19 + 91	65 + 35	58 + 52	86 + 14
Their favourite colour isn't red.	Their favourite colour isn't yellow.	Their favourite colour isn't green.	Their favourite colour isn't blue.	Their favourite colour isn't purple.

Clue: The favourite colour of the person who has taken the pumpkins isn't green.

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Clue 3 Find the answers to these questions in the grid and cross them off.
The one remaining box will give you a clue about the pumpkin stealer's costume.

$918 - 50 = \mathbf{868}$	$122 - 10 = \mathbf{112}$
$428 - 8 = \mathbf{420}$	$159 - 7 = \mathbf{152}$
$368 - 60 = \mathbf{308}$	$137 + 100 = \mathbf{237}$
$180 - 40 = \mathbf{140}$	$426 - 300 = \mathbf{126}$

308 bat or skeleton	868 spider or witch	237 skeleton or cat
314 witch or pumpkin	140 cat or ghost	420 pumpkin or cat
112 ghost or witch	152 bat or skeleton	126 spider or pumpkin

Clue: The person who has taken the pumpkins is dressed as a witch
or pumpkin.

Clue 4 In each row, colour the number that is the value of the underlined digit.
The column with the most correct answers will tell you if the person who has taken the pumpkins is a boy or a girl.

9 <u>3</u> 4	4	40	30	400
1 <u>6</u> 8	600	60	600	6
<u>6</u> 69	6	600	60	66
4 <u>8</u> 3	18	800	8	80
<u>5</u> 42	50	5	500	50
8 <u>4</u> 5	400	40	4	400
<u>6</u> 75	700	7	70	7
	Boy	Girl	Boy	Girl

Clue: The person who has taken the pumpkins is a boy / **girl**.

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Clue 5

Check if these maths statements are true or false. If it is right, put a tick. If it is wrong, put a cross. Count the number of ticks and crosses.

If there are **more ticks than crosses**, the person who has taken the pumpkins is in the **Foundation Stage (R)**.

If there are more **crosses than ticks**, the person who has taken the pumpkins is in **KS1 (Y1 or Y2)**.

If there are an **equal number of ticks and crosses**, the person who has taken the pumpkins is in **KS2 (Y3, Y4, Y5 or Y6)**.

	Right ✓	Wrong ✗
$189 > 198$		✗
$375 > 295$	✓	
$364 < 464$	✓	
$192 < 169$		✗
$905 > 950$		✗
$165 - 1 > 152 + 10$	✓	
$392 - 60 > 221 + 100$	✓	
$398 - 7 > 360 + 30$	✓	
Total	5	4

Clue: The person who has taken the pumpkins is in **Foundation Stage / KS1 / KS2**.

(Circle the correct answer)

The person who has taken the pumpkins is: **Florence**.