

# The Mystery of the Winning Halloween Costume



It is Spooktacular School's Halloween disco and the party is in full swing – the disco lights are flashing and the music is blaring!

Everyone has made a special effort with their Halloween fancy dress, but only one person can win the prize for the best costume. The judges have decided their winner and have written the pupil's name in a secret envelope.

When the time comes to reveal who has won first prize, disaster strikes! The envelope has vanished! Confused, the judges cannot remember who they agreed should win first prize.

Can you solve the clues to reveal the person who has won the prize for the best costume?

Good luck!



## The Mystery of the Winning Halloween Costume

Name	Boy or Girl?	Hair Colour	Year Group	Costume	Favourite Colour
Amelie	Girl	Ginger	R	Bat	Red
Bryan	Boy	Blonde	2	Spider	Blue
Caleb	Boy	White	1	Skeleton	Red
Delia	Girl	Black	4	Witch	Green
Eli	Boy	Brown	3	Cat	Yellow
Florence	Girl	Ginger	R	Pumpkin	Purple
Graham	Boy	White	5	Ghost	Green
Harvey	Boy	Blonde	6	Bat	Blue
Ingrid	Girl	Black	R	Spider	Red
Jenny	Girl	White	4	Skeleton	Yellow
Kevin	Boy	Black	2	Witch	Green
Leroy	Boy	Brown	1	Cat	Purple
Martin	Boy	Blonde	R	Pumpkin	Yellow
Nigella	Girl	Ginger	4	Ghost	Blue
Ophelia	Girl	Blonde	2	Bat	Green
Peter	Boy	White	1	Spider	Red
Qasim	Boy	Brown	6	Skeleton	Blue
Rabiya	Girl	Brown	3	Witch	Blue
Sheena	Girl	Black	5	Cat	Red
Trent	Boy	Ginger	4	Pumpkin	Purple
Una	Girl	Black	2	Ghost	Green
Veronica	Girl	Blonde	6	Bat	Red
Wanda	Girl	Black	5	Spider	Yellow
Xavier	Boy	Black	3	Skeleton	Purple
Yasmin	Girl	Brown	5	Witch	Purple
Zach	Boy	Blonde	1	Cat	Green

# The Mystery of the Winning Halloween Costume

## Clue 1

Sort the numbers 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 winning person's hair colour.

1                    2                    3                    8                    9                    11  
16                  17                  27                  36                  43                  59                  64

Square Numbers	Cube Numbers	Prime Numbers
The winner doesn't have blonde hair.	The winner doesn't have black hair.	The winner doesn't have ginger hair.

Clue: \_\_\_\_\_



# The Mystery of the Winning Halloween Costume

## Clue 2

Find a path through the maze by colouring in the correct calculations involving negative numbers.

The path will reveal a clue about the winner's favourite colour.

<b>START</b>	$23 - 27 = -4$	$-15 + 34 = 19$	$6 - 19 = -13$	$-8 + 13 = 5$
$45 - 50 = -15$	$-40 + 72 = 42$	$13 - 40 = -17$	$35 - 65 = -20$	$-17 + 13 = -4$
$101 - 200 = -99$	$-13 + 14 = 1$	$25 - 28 = -3$	$-17 + 29 = 14$	$-20 + 67 = 47$
$50 - 167 = -117$	$56 - 100 = -56$	$-29 + 30 = 1$	$16 - 32 = -16$	$-13 + 23 = 10$
$17 - 54 = -37$	$-26 + 36 = 20$	$35 - 105 = -60$	$35 - 100 = -50$	$-2 + 98 = 100$
$-13 + 7 = -6$	$-11 + 8 = -5$	$-15 + 5 = -10$	$-13 - 7 = -25$	$-11 - 8 = -19$
Their favourite colour isn't <b>red.</b>	Their favourite colour isn't <b>yellow.</b>	Their favourite colour isn't <b>green.</b>	Their favourite colour isn't <b>blue.</b>	Their favourite colour isn't <b>purple.</b>

Clue: \_\_\_\_\_

\_\_\_\_\_



# The Mystery of the Winning Halloween Costume



## 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 winning costume.

$217 \times 4 =$	$24\ 342 - 5216 =$
$3496 \div 23 =$	$452\ 256 + 71\ 368 =$
$244 \times 14 =$	$1422 \div 6 =$
$45\ 287 + 234\ 133 =$	$467\ 785 - 34\ 645 =$

3108 bat or skeleton	868 spider or witch	237 skeleton or cat
3416 witch or pumpkin	433 140 cat or ghost	279 420 pumpkin or cat
523 624 ghost or witch	152 bat or skeleton	19 126 spider or pumpkin

**Clue:** The person who has won is dressed as a \_\_\_\_\_ or \_\_\_\_\_.

## The Mystery of the Winning Halloween Costume

### 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 won is a boy or a girl.

7 4 <u>8</u> 4 031	80 000	800	80	800 000
8 426 <u>5</u> 93	5000	500	50 000	50
<u>6</u> 894 132	600 000	60 000	6000	6 000 000
4 941 <u>4</u> 49	400	4 000	40	4
8 306 <u>2</u> 41	10	1	100	1000
5 <u>3</u> 43 639	300 000	30 000	3 000	3 000 000
9 <u>3</u> 57 226	70 000	7000	700	700 000
	Boy	Girl	Boy	Girl

**Clue:** The person who has won is a boy / girl.

(Circle the correct answer)



## The Mystery of the Winning Halloween Costume

### 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 won is in the **Foundation Stage or KS1 (R, Y1 or Y2)**.

If there are **more crosses than ticks**, the person who has won is in **KS2 (Y3, Y4, Y5 or Y6)**.

	Right ✓	Wrong ✗
2587 rounded to the nearest 100 is 2600		
109 500 rounded to the nearest thousand is 109 000		
87 401 rounded to the nearest 10 is 87 400		
649.5 rounded to the nearest whole number is 650		
6 050 000 rounded to the nearest hundred thousand is seven million		
23 923 rounded to the nearest hundred is 24 000		
78.12 rounded to the nearest tenth is 78		
901 245 rounded to the nearest 10 000 is 900 000		
5000 rounded to the nearest ten thousand is 10 000		
<b>Total</b>		

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

(Circle the correct answer)

The person who has won first prize for their Halloween costume is: \_\_\_\_\_