

The Mystery of the Missing Potion Ingredient



Wanda the witch had been teaching her class how to brew a magical potion. This potion would give the children the power to solve the trickiest maths problems as quick as a flash!

The children had taken turns to add ingredients to the bubbling cauldron one by one. A leathery bat's wing. A scaly rat's tail. Slime from a slippery slug.

Wanda took a sip of the gloopy potion and her hair instantly turned a strange shade of green! That wasn't right! There must have been something wrong with the potion.

One of the children had been in the toilets and missed their turn to add their ingredient. Who was it? What was their ingredient?

Can you help Wanda to solve the mystery and find the missing potion ingredient?





Name	Year Group	Cloak Colour	Accessory	Pet	Ingredient
Ada	8	red	wand	snake	fairy dust
Billy	9	red	broomstick	toad	bat wing
Clara	7	blue	hat	raven	werewolf drool
Damon	3	red	spell book	newt	cat fur
Eleanor	5	black	broomstick	cat	slug slime
Gregory	6	grey	wand	toad	squid ink
Harriet	9	black	spell book	newt	mermaid hair
James	6	black	hat	cat	troll toenail
Kim	9	black	broomstick	newt	dragon scale
Liam	10	black	wand	cat	snail slime
Nicholas	6	blue	hat	toad	unicorn horn
Olivia	9	black	spell book	newt	snake skin
Peter	1	black	spell book	toad	phoenix feather
Quinn	4	red	wand	cat	spider legs
Robin	7	blue	spell book	rat	frog's eyes
Sarah	10	green	broomstick	toad	troll bogies
Thomas	2	black	hat	newt	unicorn hair
Uma	7	red	spell book	newt	dragon poo
William	6	black	broomstick	cat	mermaid scale
Zara	8	blue	wand	toad	owl feather

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Clue 1: Finding Missing Numbers

Count in steps of 2, 5 or 10 to find the missing number in each sequence. Shade the answers in the grid below. The answers will reveal a clue about the pet owned by the child who had the missing ingredient.

12	20	25
newt	rat	toad
15	60	30
raven	cat	snake

Clue 1: The missing ingredient belonged to a child with a pet _____, _____ or a _____.

Clue 2: Number Match

Draw lines to match each number to the correct written word. The three numbers that do not have a match will give you a clue about which year group the child who had the missing ingredient is in.

8

1

5

3

10

4

6

2

7

9

three

two

eight

one

four

five

seven

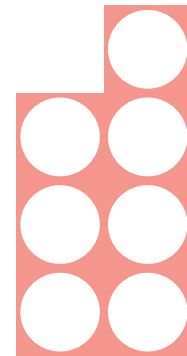
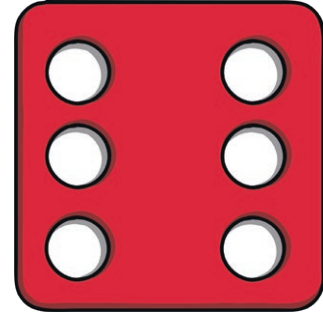
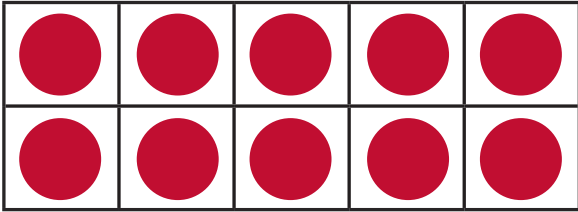


Clue 2: The missing ingredient belonged to a child in year _____, year _____ or year _____.

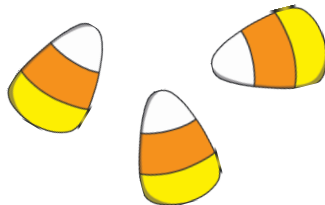
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Clue 3: Representing Numbers

Match each representation to the correct number in the table and shade the box. The box that is not shaded will reveal a clue about the colour of the cloak that the child with the missing ingredient was wearing.



6 blue	7 red	8 black	9 green	10 grey
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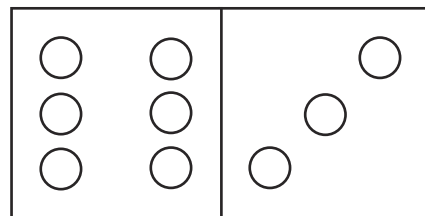
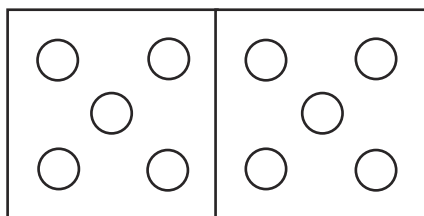
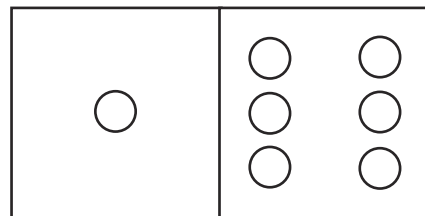
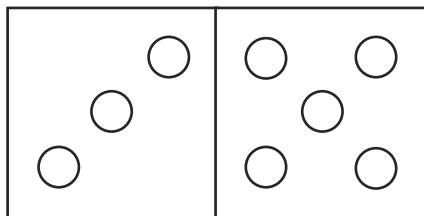
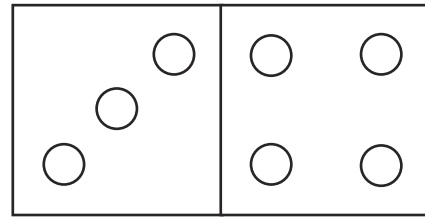
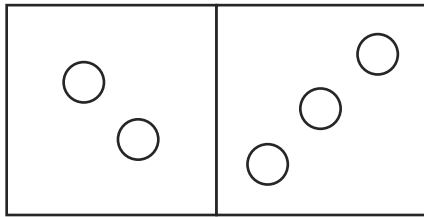
Clue 3: The missing ingredient belonged to a child with a _____ cloak.

Clue 4: Comparing Quantities

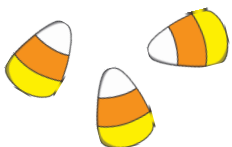
In each pair, shade the domino that has the greater number of spots.

In the grid, cross off the number of dots on each shaded domino.

The number that is not crossed off will reveal a clue about the accessory owned by the child with the missing ingredient.



7 hat	8 wand	9 broomstick	10 spell book
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Clue 4: The missing ingredient belonged to a child with a

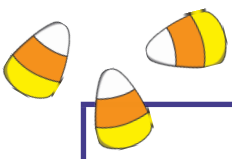
_____.

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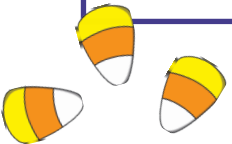
Clue 5: One More or One Less

Check each statement and tick if they are true or false. Count how many ticks there are in each column.

The column with the most ticks will reveal a clue about the number of letters in the name of the child who owned the missing ingredient.



	True	False
One more than 7 is 8.		
One less than 6 is 7.		
One less than 10 is 9.		
One more than 5 is 4.		
One more than 9 is 8.		
One more than 8 is 9.		
One less than 8 is 7.		
	fewer than 5 letters	more than 5 letters



Clue 5: The missing ingredient belonged to a child with a name that has _____ than 5 letters.

The missing ingredient was a _____.
It belonged to _____.

