The Mystery of the Missing Last Autumn Leaf

Oliver absolutely loves autumn. He loves the colours of the leaves on the trees, the crunch they make as he rolls in them and how they fall from the trees like confetti.

However, today is the last day of autumn before the cold, dark winter comes. Oliver knows that this will be one of the last times that he will enjoy the leaves.

Oliver steps out of his front door to begin his walk to school when he stops suddenly. He looks at the trees but no leaves can be seen. He searches the pavements and roads but there are no leaves anywhere. He races ahead, checking every street on his way to school, but still he can not find any leaves. A huge storm has passed through during the night tearing leaves from the trees and blowing them all away.

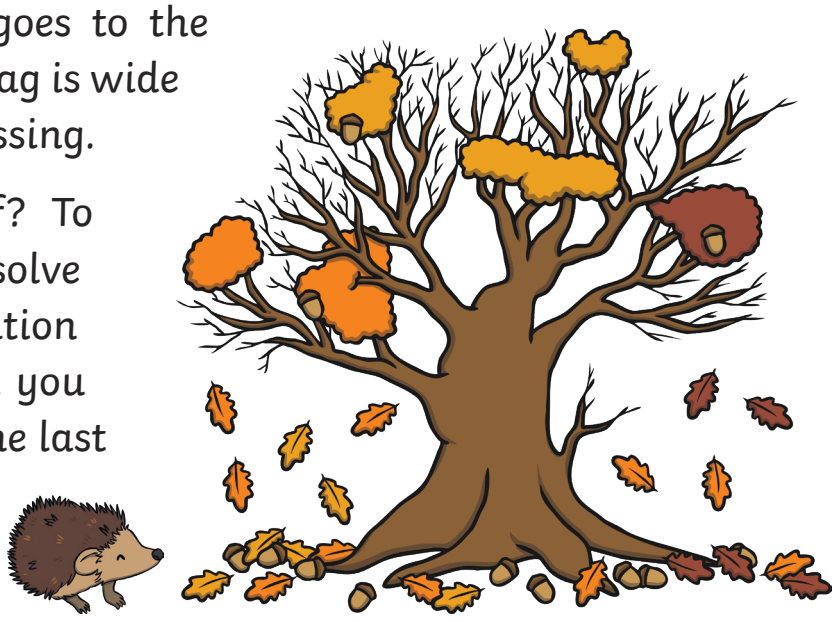
Oliver feels great despair until something brushes past his ear and down towards his feet. Oliver glances down and finds before him the most beautiful, golden leaf.

“This must be the last leaf of autumn,” Oliver whispers.

Oliver picks it up carefully and lays it gently between two pages of his reading book. He rushes to school to show his class.

Later that day, Oliver goes to collect the leaf from the book in his bag. He goes to the cloakroom only to find that his bag is wide open and his precious leaf is missing.

But who has the missing leaf? To crack the case, you will need to solve each clue and check the information with the child descriptions. Will you be able to solve the mystery of the last fallen leaf?



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Child Descriptions

Name	Boy or Girl?	Age	Hair Colour	Lunch Option	Class
Adrian	Boy	9	Brown	Packed Lunch	5A
Beverley	Girl	11	Blonde	Hot Dinners	6A
Cameron	Boy	10	Black	Packed Lunch	6A
Devonte	Boy	10	Ginger	Hot Dinners	5B
Emma	Girl	11	Brown	Home Dinners	6B
Fatimah	Girl	9	Ginger	Packed Lunch	5B
Gus	Boy	11	Black	Hot Dinners	6A
Gracie	Girl	11	Ginger	Hot Dinners	6A
Hassan	Girl	9	Brown	Packed Lunch	5A
Henry	Boy	10	Blonde	Home Dinners	5A
Isaac	Boy	10	Black	Hot Dinners	5B
Jian	Boy	10	Ginger	Hot Dinners	6A
Isabelle	Girl	11	Ginger	Hot Dinners	6B
Juno	Boy	10	Blonde	Home Dinners	6B
Sameena	Girl	9	Black	Hot Dinners	5B
Mateo	Boy	11	Ginger	Hot Dinners	6B
Olga	Girl	11	Brown	Packed Lunch	6A
Olivia	Girl	10	Blonde	Packed Lunch	5B
Samir	Boy	9	Black	Hot Dinners	5A
Sara	Girl	11	Ginger	Home Dinners	6A
Tiana	Girl	10	Brown	Packed Lunch	6B
Tomek	Boy	9	Blonde	Home Dinners	5B

Clue 1: The Maze

To reveal the clue, find a path through the maze by colouring in calculations with an answer of 50.

START	40 + 10 =	60 – 10 =	20 + 20 + 10 =	80 – 1=	51 – 1 =	100 – 0 =	80 – 1 =
20 + 10 =	10 + 10 =	40 – 20 =	25 + 25 =	89 + 1 =	90 + 1 =	60 – 1 =	90 – 1 =
41 + 9 =	100 – 10 =	30 + 30 =	30 + 20 =	55 – 5 =	60 – 5 =	70 + 1 =	50 + 0 =
40 + 40 =	15 + 5 =	10 + 10 + 10 =	65 + 1 =	60 – 10 =	10 + 10 =	99 + 1 =	20 + 30 =
0 + 5 =	80 – 0 =	49 + 1 =	20 + 5 =	20 + 30 =	10 + 0 =	90 – 0 =	90 – 1 =
79 + 1 =	10 + 5 =	40 + 40 =	59 – 9 =	10 + 40 =	60 + 0 =	70 – 20 =	90 – 30 =
50 + 0 =	70 – 0 =	40 + 11 =	55 - 5 =	30 + 5 =	20 – 1 =	45 + 5 =	20 + 30 =
boy	girl	boy	girl	boy	girl	boy	girl

Clue 1: _____

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Clue 2: Crack the Case

Choose the correct number for each missing number sentence.
The column with the most correct answers in will reveal a clue about the culprit's age.

2 + 4 + 8 = ?	12	13	14
9 + 1 + 5 = ?	14	15	16
8 + ? + 4 = 16	2	3	4
? + 3 + 3 = 16	10	11	12
4 + 5 + ? = 18	9	8	7
? + 3 + 10 = 17	5	4	3
9 + 9 + ? = 19	1	2	3
10 + 2 + 8 = ?	18	19	20
9 + 6 + 4 = ?	17	18	19
	The culprit is 9 years old.	The culprit is 10 years old.	The culprit is 11 years old.

Clue 2: The culprit is _____

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Clue 3: Cross it Off

Solve the answers to the problems. Cross off the answers in the grid. The clue that is not crossed off will reveal the hair colour of the person who took the leaf.

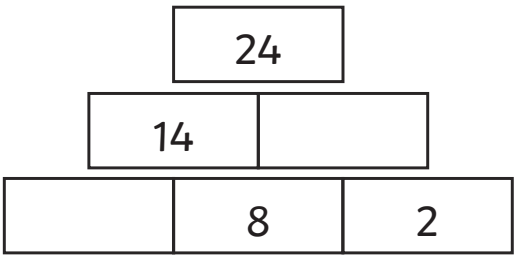
There are 27 children in a class. 6 children did not dress up for the autumn party. How many children did dress up?	There are 25 cups of orange juice and 32 cups of apple juice at the autumn term disco. How many drinks were there altogether?
There were 48 leaves on the playground. 12 blew away. How many were left?	There are 86 pumpkins in a pumpkin patch. 35 are picked. How many are left?
I'm thinking of a two-digit number. It has 4 tens and 0 ones. I add 9 ones. What is my number?	

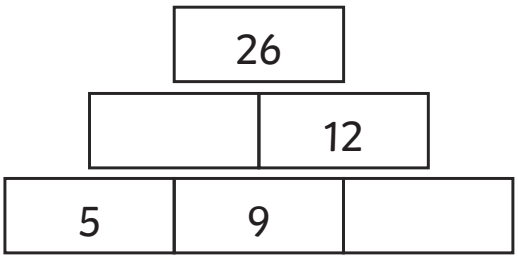
51 The culprit's hair is brown.	36 The culprit's hair is blonde.	29 The culprit's hair is ginger.
21 The culprit's hair is blonde.	49 The culprit's hair is black.	57 The culprit's hair is brown.

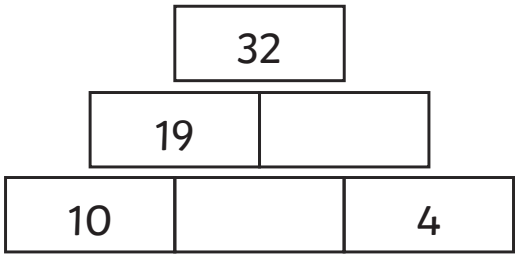
Clue 3: _____

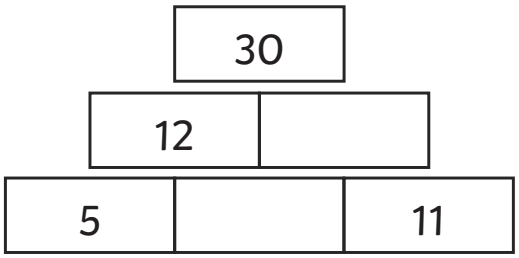
Clue 4: Missing Numbers

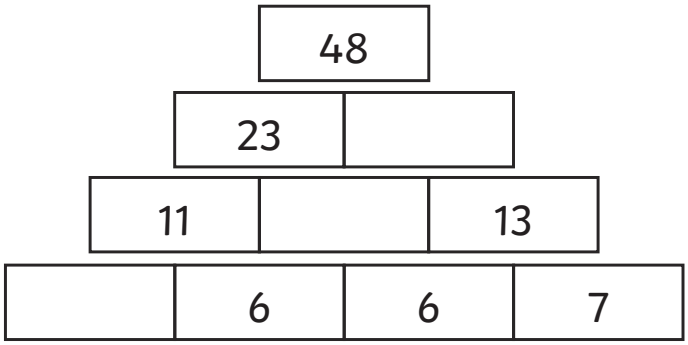
Can you find the missing numbers in the addition pyramids? Colour in the numbers that you use on the grid below and use the matching words to reveal the clue.











3 The	12 autumn	5 person	9 the	7 took
10 last	8 packed	18 hot	6 who	11 home
15 lunch	13 leaf	16 stole	25 dinners.	14 has

Clue 4: _____

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Clue 5: Find the Correct Answer

Solve the calculation and circle the correct answer. Use the key below to find out which class the culprit is in. The colour with the most correct answers will tell you which class the culprit is in.

39 + ? = 60

18	19	20	21

49 + ? = 60

11	12	13	14

59 + ? = 60

0	1	2	3

57 - ? = 22

35	36	37	38

47 - ? = 22

10	15	20	25

47 - ? = 12

5	15	25	35

Red = 5A Yellow = 5B Blue = 6A Green = 6B

Clue 5: The culprit is in class_____

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The Mystery of the Missing Last Autumn Leaf - Answers

Clue 1

To reveal the clue, find a path through the maze by colouring in calculations with an answer of 50.

START	40 + 10 =	60 – 10 =	20 + 20 + 10 =	80 – 1=	51 – 1 =	100 – 0 =	80 – 1 =
20 + 10 =	10 + 10 =	40 – 20 =	25 + 25 =	89 + 1 =	90 + 1 =	60 – 1 =	90 – 1 =
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79 + 1 =	10 + 5 =	40 + 40 =	59 – 9 =	10 + 40 =	60 + 0 =	70 – 20 =	90 – 30 =
50 + 0 =	70 – 0 =	40 + 11 =	55 - 5 =	30 + 5 =	20 – 1 =	45 + 5 =	20 + 30 =
boy	girl	boy	girl	boy	girl	boy	girl

Clue 1: **The culprit is a girl.**

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The Mystery of the Missing Last Autumn Leaf - Answers

Clue 2: Crack the code

Choose the correct number for each missing number sentence.
The column with the most correct answers in will reveal a clue about the culprit's age.

2 + 4 + 8 = ?	12	13	14
9 + 1 + 5 = ?	14	15	16
8 + ? + 4 = 16	2	3	4
? + 3 + 3 = 16	10	11	12
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10 + 2 + 8 = ?	18	19	20
9 + 6 + 4 = ?	17	18	19
	The culprit is 9 years old.	The culprit is 10 years old.	The culprit is 11 years old.

Clue 2: The culprit is 11 years old.

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The Mystery of the Missing Last Autumn Leaf - Answers

Clue 3: Cross it Off

Solve the answers to the problems. Cross off the answers in the grid. The clue that is not crossed off will reveal the hair colour of the person who took the leaf.

There are 27 children in a class. 6 children did not dress up for the autumn party. How many children did dress up? **21**	There are 25 cups of orange juice and 32 cups of apple juice at the autumn term disco. How many drinks were there altogether? **57**
There were 48 leaves on the playground. 12 blew away. How many were left? **36**	There are 86 pumpkins in a pumpkin patch. 35 are picked. How many are left? **51**
I'm thinking of a two-digit number. It has 4 tens and 0 ones. What is my number? **49**	

51 The culprit's hair is brown.	36 The culprit's hair is blonde.	29 The culprit's hair is ginger.
21 The culprit's hair is blonde.	49 The culprit's hair is black.	57 The culprit's hair is brown.

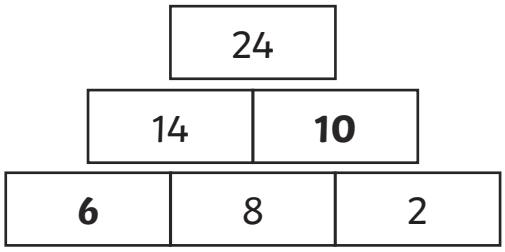
Clue 3: The culprit's hair is **ginger.**

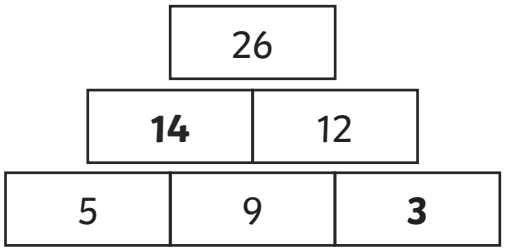
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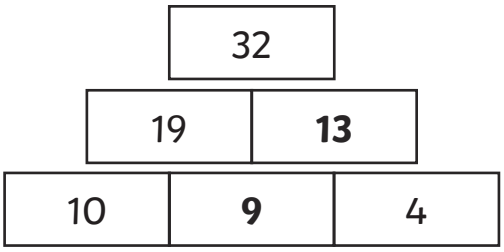
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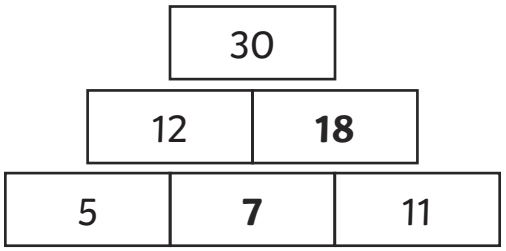
Clue 4: Missing Numbers

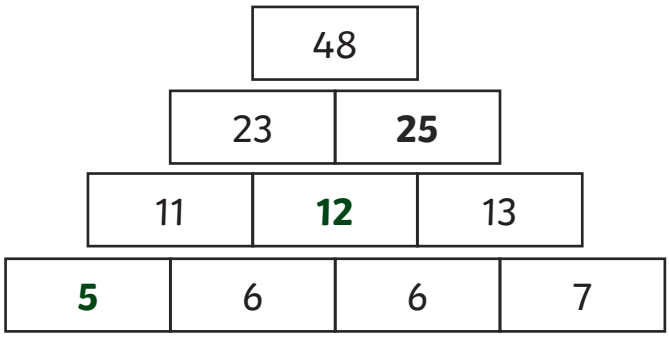
Can you find the missing numbers in the addition pyramids? Colour in the numbers that you use on the grid below and use the matching words to reveal the clue.











3 The	12 autumn	5 person	9 the	7 took
10 last	8 packed	18 hot	6 who	11 home
15 lunch	13 leaf	16 stole	25 dinners.	14 has

Clue 4: The person who took the last autumn leaf has hot dinners.

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The Mystery of the Missing Last Autumn Leaf - Answers

Clue 5: Find the Correct Answer

Solve the calculation and circle the correct answer. Use the key below to find out which class the culprit is in. The colour with the most correct answers is their class.

39 + ? = 60

18	**19**	**20**	**21**

49 + ? = 60

11	**12**	**13**	**14**

59 + ? = 60

0	**1**	**2**	**3**

57 - ? = 22

35	**36**	**37**	**38**

47 - ? = 22

10	**15**	**20**	**25**

47 - ? = 12

5	**15**	**25**	**35**

Clue 5: <u>The culprit is in class 6B.</u>

<u>The person who took the leaf is Isabelle.</u>

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