The Mystery of the Missing Pencil Case Answers

Clue 1: Missing Numbers

Can you find the missing numbers?

12	**14**	16	**18**	20	22

20	**25**	30	35	**40**	45

22	24	**26**	**28**	**30**	32

45	40	**35**	30	25	20

20	30	40	50	**60**	**70**

25	70	65	60	35
The	boy	girl	a	is
40	15	30	45	55
not	it	culprit	person	took

Look at the missing numbers.

Find all of the multiples of 5 and circle them on the grid above..

Write them in order and find the words to complete the first clue.

Clue 1: _The culprit is not a boy._

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Clue 2: Crack the Code

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

42 ___ 32	<	**>**	=
28 ___ 29	**<**	>	=
30 ___ three tens	<	>	**=**
2 tens + 4 ones __ 23	<	**>**	=
36 ___ 20 + 16	<	>	**=**
1 ten + 8 ones __ 19	**<**	>	=
3 tens + 8 ones __ 38	<	>	**=**
65 ___ 56	<	**>**	=
30 + 12 ___ 32	<	**>**	=
	The culprit is 5 years old.	The culprit is 6 years old.	The culprit is 7 years old.

Clue 2: The culprit is 6 years old.

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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 more information about the culprit.

I'm thinking of a number. It has two tens. It has four ones. What is my number? 24	I'm thinking of a number. It has one ten. It is one less than 18. What is my number? 17
I'm thinking of a number. It is greater than 25 but less than 27. What is my number? 26	I'm thinking of a number. It has three tens. Its ones digit is one more than 4. What is my number? 35
I'm thinking of a number. It has four tens. It is one more than 40. What is my number? 41	

35	26	29
The culprit's hair is brown.	The culprit's hair is blonde.	**The culprit's hair is ginger.**
24	41	17
The culprit's hair is blonde.	The culprit's hair is black.	The culprit's hair is brown.

Clue 3: The culprit's hair is ginger.

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Clue 4: Maze

Look at the digit cards.

2	4	5	7	8

Find a path through the maze and colour in all the two-digit numbers that can be made using the digit cards to reveal the lunch option of the culprit.

START	24	4 tens + 8 ones	18	90 + 6	19
30 + 6	10 + 9	50 + 8	72	80 + 2	4 tens + 8 ones
90 + 6	93	19	60 + 3	69	5 tens + 4 ones
16	36	75	5 tens + 7 ones	20 + 4	87
40 + 2	30 + 9	50 + 4	16	31	90 + 3
30 + 6	63	45	90 + 1	54	30 + 6
24	20 + 7	8 tens + 2 ones	74	42	80 + 7
Packed Lunch	Home Dinners	Hot Dinners	Packed Lunch	Home Dinners	Hot Dinners

The person who took the pencil case has hot dinners.

Clue 4: _____

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Clue 5 Right or Wrong

Check these maths facts. If all the facts are right, put a tick. If any are wrong, put a cross.

If a box has been left blank, complete the correct number fact.

Number	Write it as words	Partition it	Partition it differently	Right	Wrong
25	Twenty-five	20 + 5	10 + 15	✓	
32	Thirty-three Thirty-two	30 + 2	20 + 2 20 + 12		✗
49	Forty-nine	40 + 9	30 + 19	✓	
54	Fifty-four	50 + 4	40 + 4 40 + 14		✗
63	Sixty-three	30 + 6 60 + 3	50 + 13		✗
88	Eighty-eight	80 + 8	70 + 18	✓	
72	Seventy-two	70 + 2	60 + 12	✓	

Clue 5: The culprit is on the Giraffe table.

The person who took the pencil case is:

Grace.