The Mystery of the Missing Macaws at Maythorpe Zoo

The pupils of Appleby Academy are very excited to be going on their school trip to Maythorpe Zoo. They have been learning about animals in class and they are thrilled to finally be going to see the chimpanzees, zebras, tigers, meerkats and many more wonderful animals!

They know which groups they are in, they know who their group leader is and they have everything they need.

They get on the coach, squabble over the back seat and soon they are off, singing 'The Wheels on the Bus' at the tops of their voices.

When they arrive, they leave their bags in a great big tub and are led away to see the first group of animals. The trip is going swimmingly, with everyone having a 'whale' of a time.

However, disaster has struck! Someone has opened the door to the macaw enclosure and all the birds have flown into the nearby trees!

Your task is to use the descriptions of the suspects and solve the clues to discover who caused chaos with the missing macaws.

Name	M/F	Height	Bought Birdseed	Favourite Animal	Type of Fruit in Lunchbox
Alina	F	tall	yes	zebras	melon
Beau	M	short	no	chimps	banana
Callum	M	tall	no	chimps	apple
Daisy	F	tall	yes	zebras	apricot
Ellis	M	short	no	tigers	banana
Fiza	F	tall	no	snakes	apple
Grace	F	tall	yes	chimps	apricot
Harvey	M	short	no	zebras	melon
Ismael	M	tall	yes	chimps	apricot
James	M	short	yes	chimps	melon
Kristoph	M	tall	yes	tigers	banana
Lionel	M	tall	yes	tigers	apricot
Monika	F	short	no	snakes	apple
Neil	M	tall	yes	chimps	apple
Ollie	M	short	yes	tigers	melon
Parwinder	M	short	no	chimps	apricot
Quincy	M	tall	yes	zebras	melon
Ranjit	M	tall	yes	tigers	apple
Sara	F	tall	yes	chimps	melon
Tia	F	tall	yes	tigers	apricot

Clue 1: Buying Birdseed

Work out the answers to these calculations and colour them in.

If most of the answers are even, then the culprit is tall. If most of the answers are odd, then the culprit is short.

12p + 24p	50p - 30p	£1.20 - 30p
17p + 22p	19p - 11p	87p + 12p
46p + 6p	13p + 20p	29p + 4p

20p   25p   8p   99p   90p

71p   33p   13p   28p

52p   57p   18p   36p   39p

Tick one.

There are more odd answers so the culprit is short. ☐

There are more even answers so the culprit is tall. ☐

Clue 2: Sneaky Snakes

The naughty snakes are hiding the answers to these calculations.

Solve these calculations. Then, find their inverse calculation in the table. Rearrange the words to make a sentence to solve the second clue.

15 + 3 =

27 - 3 =

21 - 10 =

51 + 11 =

30 + 15 =

10 + 20 = 30 apricots	45 - 31 = 14 female	24 + 3 = 27 culprit
62 - 51 = 11 the	27 - 4 = 23 chimps	11 + 10 = 21 bird
45 - 15 = 30 male	18 - 3 = 15 was	30 - 15 = 15 liked

Answer to clue 2:

_____

Clue 3: Cheeky Chimps

The cheeky chimps are trying to trick you! They have come up with answers to these questions but are they all true? Work out the answers and decide whether the chimps' answers are true or false.

	True	False
2 x 6 = 20		
The sides of a rectangle are all the same length.		
There are five tens in fifty-six.		
These coins total 12p		
This clock shows half past 10.		
5 x 5 = 25		
This line measures 3cm.		
$\frac{1}{2}$ of the circle is shaded.		
You would need to add 16 more tigers to make 20 altogether.		

Tick one.

If most of the answers are false, the culprit bought birdseed. ☐

If most of the answers are true, the culprit did not buy birdseed. ☐

Clue 4: Animals and Numbers

On each row, write the number in words.

6							
9							
3							
11							
14							
8							

Rearrange the letters in the coloured squares to spell a type of animal. That animal is the culprit's favourite.

Answer to clue 4:

The culprit's favourite animals are the _____ .

Clue 5: Zany Zebras

The zebras have made a puzzle where each answer matches a letter of the alphabet. Solve the calculations and find their matching letter to spell the words that give you the answer to the final clue!

a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13

n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26

		Answer	Letter
1	2 x 10		
	Add together number of sides of two squares.		
	20 - 15		

		Answer	Letter
2	26 - 10		
	3 + 3 + 3		
	two lots of 8		
	25 - 6		

		Answer	Letter
3	5 x 3		
	$\frac{1}{2}$ of 12		

Clue 5: Zany Zebras

a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13

n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26

		Answer	Letter
4	20 - 19		
	the even number between 12 and 15		

		Answer	Letter
5	13 - 12		
	8 + 8		
	12 + 4		
	20 - 8		
	25 sweets shared between 5 people		

Answer to clue 5:

_____

_____

Have you solved the mystery of who let the macaws fly free at Maythorpe Zoo?

The culprit is: _____.

Answers

Clue 1: Buying Birdseed

There are more even answers. The culprit is tall.

Clue 2: Sneaky Snakes

10 + 20 = 30 apricots	45 - 31 = 14 female	24 + 3 = 27 culprit
62 - 51 = 11 the	27 - 4 = 23 chimps	11 + 10 = 21 bird
45 - 15 = 30 male	18 - 3 = 15 was	30 - 15 = 15 liked

Clue 3: Cheeky Chimp

	True	False
2 x 6 = 10		✓
The sides of a rectangle are all the same length.		✓
There are five tens in fifty-six	✓	
These coins total 12p		✓
This clock shows half past 10.		✓
5 x 5 = 25	✓	
This line measures 3cm. ——		✓
$\frac{1}{2}$ of the circle is shaded.	✓	
You would need to add 16 more tigers to make 20 altogether.	✓	

Answers

Clue 4: Animals and Numbers

6	s	i	x					
9	n	i	n	e				
3	t	h	r	e	e			
11	e	l	e	v	e	n		
14	f	o	u	r	t	e	e	n
8	e	i	g	h	t			

The culprit's favourite animals are the tigers.

Clue 5: Zany Zebras

		Answer	Letter
1	2 x 10	20	t
	Add together number of sides of two squares	8	h
	20 - 15	5	e

		Answer	Letter
2	26 - 10	16	p
	3 + 3 + 3	9	i
	Two lots of 8	16	p
	25 - 6	19	s

		Answer	Letter
3	5 x 3	15	o
	of 12	6	f

		Answer	Letter
4	20 - 19	1	a
	The even number between 12 and 15	14	n

		Answer	Letter
5	13 - 12	1	a
	8 + 8	16	p
	12 + 4	16	p
	20 - 8	12	l
	25 sweets shared between 5 people	5	e

Answer: The pips of an apple.

The culprit was **Ranjit**.