

# THE MYSTERY OF THE MISSING POPCORN

Since escaping from Mrs. Tweedy's farm, Rocky now enjoys a life of freedom on a peaceful island with his family and friends.

One morning, Rocky decides to start cooking a snack of tasty popcorn for himself. While the popcorn is cooking, he decides to relax in his hammock. After a leisurely rest, he gets up and realizes that the popcorn is missing! Rocky desperately searches the area, but it is clear that someone else on the island has taken his delicious snack.

Rocky needs your help! Can you solve the clues and work out which character has the missing popcorn?

CHARACTER	SPECIES	EYE COLOR	CLOTHING	MAIN COLOR OF FUR OR FEATHERS	SPECIAL OBJECT
Ginger	chicken	green	hat and scarf	orange	sucker
Molly	chicken	blue	hat and scarf	orange	spoon
Frizzle	chicken	green	headband and necklace	purple	none
Nick	rat	black	suit	brown	key
Babs	chicken	blue	necklace	tan	knitting needles
Mac	chicken	green	scarf and glasses	cream	tape measure
Fetcher	rat	brown	hat, sweater, socks, and pants	brown	umbrella
Fowler	chicken	blue	scarf	grey	can opener
Bunty	chicken	brown	necklace	maroon	pliers



# CLUE 1: COMPARING CALCULATIONS

As you search across the island, you notice some calculations in Mac's notebook that will help you solve the mystery. Solve each calculation and write  $>$  or  $<$  in the answer box.

If there are more **greater than** ( $>$ ) symbols, the character who has the missing popcorn is a chicken.

If there are more **less than** ( $<$ ) symbols, the character who has the missing popcorn is a rat.



$10^2$	<input type="text"/>	$8 \times 10$
$40 \div 5$	<input type="text"/>	$54 \div 6$
$4^3$	<input type="text"/>	$12 \times 8$
$7 \times 6 + 15$	<input type="text"/>	$8 \times 9 - 36$
$6^2$	<input type="text"/>	$4 \times 8$
$2 \times 9 + 12$	<input type="text"/>	$3 \times 7 + 14$
$5^3$	<input type="text"/>	$11^2$

The character who has the missing popcorn is a \_\_\_\_\_.

# CLUE 2: MULTIPLE MAZE

## AARDMAN CHICKEN RUN DAWN OF THE NUGGET



Near the lawn chairs, you spot a trail of popcorn on the ground. This helps you plot the path of the character who has taken the popcorn. Find the path by shading multiples of 6, 9, or 12.



The end of the path will reveal the eye color of the character who has the missing popcorn.

**START**

72	12	32	4	100	14	25	80
38	144	62	35	93	85	2	17
3	45	108	24	10	62	9	73
19	131	80	18	63	54	16	26
95	22	136	77	5	48	6	82
50	28	143	1	44	105	132	0
61	200	59	34	131	27	30	209
91	71	13	82	75	66	23	20
37	40	87	53	99	120	4	31
61	101	68	60	42	105	16	76
83	36	96	81	29	51	142	83
42	84	33	49	21	15	86	97
<b>BLACK OR BROWN</b>	<b>BLUE OR GREEN</b>	<b>GREEN OR BROWN</b>	<b>BLUE OR BROWN</b>	<b>GREEN, BLACK, OR BROWN</b>	<b>BLACK OR GREEN</b>	<b>BLUE OR BLACK</b>	<b>BLUE, BROWN, OR GREEN</b>

The eye color of the character who has the missing popcorn is \_\_\_\_\_.

# CLUE 3:

## MARVELOUS MEASUREMENTS

Next, you begin to inspect the different huts around the island looking for clues.

Find the area of each hut.

The hut with the biggest area will reveal the main color of the fur or feathers of the character who has the missing popcorn.



	LENGTH (M)	WIDTH (M)	AREA (M <sup>2</sup> )	MAIN COLOR
Hut 1	25	6		purple or tan
Hut 2	22	12		orange or brown
Hut 3	35	18		purple or maroon
Hut 4	23	22		tan or cream
Hut 5	30	25		orange or gray

The main color of the fur or feathers of the character who has the missing popcorn is \_\_\_\_\_.



**CLUE 4:**  
**CHECK THE CALCULATIONS**



As you search the rats' yard, you find some calculations in a book which make you curious to explore them further.

Solve the calculations and work out whether the given answers are correct or incorrect.

If there are more correct calculations, the character who has the missing popcorn is wearing a suit or a scarf.

If there are more incorrect calculations, the character who has the missing popcorn is wearing a hat or a necklace.

CALCULATION	ANSWER	CORRECT	INCORRECT
$4,567 + 385$	4,962		
$9,065 - 3,257$	5,808		
$240 \div 40$	80		
$5.457 \times 1,000$	545.7		
$\frac{7}{8}$ of 96	84		
$8,765 \div 5$	1,753		
25% of 964	242		



The character who has the missing popcorn is wearing a \_\_\_\_\_.

# CLUE 5: MYSTERY MESSAGE

While you walk around the island, you hear some of the other animals whispering about the missing popcorn. You overhear them mention an object which gives you a clue.

Use your math skills to find the answer to each question below. Each answer matches with a letter. When you have found all of the letters, rearrange them to reveal the special object from the table on page one. This should tell you which character has the missing popcorn.

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>
167	18.38	205.7	2	1.53	11.33	25	17.48	7.8	157.3	68	95	59

<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>	<b>W</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
156	85	36.4	99.9	201	17.38	36.41	432	341	69	16	21.5	9

QUESTION	ANSWER	LETTER
Nick and Fetcher are looking through some of their items from the mainland. 75% of the 340 items are stored in trunks. How many of their items are <b>not</b> stored in trunks?		
Babs is knitting something for Ginger. She has 2m of wool but she has already used 163.6cm. How many centimeters of wool does she have left?		
Bunty is counting the different flowers around the island. She counts using the following sequence: 26, 52, 78, 104, 130. What would the next number be?		
Fowler and Mac are walking around the island. Fowler walks 5.68km and Mac walks 11.7km. How many km did they walk altogether?		
Frizzle and Molly are playing a game. They start playing at 10:45 a.m. and finish at 12:10 p.m. How many minutes did their game last?		

The special object belonging to the character who has the missing popcorn is a \_\_\_\_\_.

THE CHARACTER WHO HAS THE MISSING POPCORN IS \_\_\_\_\_.

# THE MYSTERY OF THE MISSING POPCORN

## ANSWERS

### CLUE 1: COMPARING CALCULATIONS

$10^2$

&gt;

$8 \times 10$

$40 \div 5$

&lt;

$54 \div 6$

$4^3$

&lt;

$12 \times 8$

$7 \times 6 + 15$

&gt;

$8 \times 9 - 36$

$6^2$

&gt;

$4 \times 8$

$2 \times 9 + 12$

&lt;

$3 \times 7 + 14$

$5^3$

&gt;

$11^2$

The character who has the missing popcorn is a **chicken**.

# THE MYSTERY OF THE MISSING POPCORN

## ANSWERS

### CLUE 2: MULTIPLE MAZE

START

72	12	32	4	100	14	25	80
38	144	62	35	93	85	2	17
3	45	108	24	10	62	9	73
19	131	80	18	63	54	16	26
95	22	136	77	5	48	6	82
50	28	143	1	44	105	132	0
61	200	59	34	131	27	30	209
91	71	13	82	75	66	23	20
37	40	87	53	99	120	4	31
61	101	68	60	42	105	16	76
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42	84	33	49	21	15	86	97
<b>BLACK OR BROWN</b>	<b>BLUE OR GREEN</b>	<b>GREEN OR BROWN</b>	<b>BLUE OR BROWN</b>	<b>GREEN, BLACK, OR BROWN</b>	<b>BLACK OR GREEN</b>	<b>BLUE OR BLACK</b>	<b>BLUE, BROWN, OR GREEN</b>

The eye color of the character who has the missing popcorn is **blue or green**.



# THE MYSTERY OF THE MISSING POPCORN

## ANSWERS

### CLUE 3: MARVELOUS MEASUREMENTS

	LENGTH (M)	WIDTH (M)	AREA (M <sup>2</sup> )	MAIN COLOR
Hut 1	25	6	150	purple or tan
Hut 2	22	12	264	orange or brown
Hut 3	35	18	630	purple or maroon
Hut 4	23	22	506	tan or cream
Hut 5	30	25	750	orange or gray

The main color of the fur or feathers of the character who has the missing popcorn is **orange or gray**.

### CLUE 4: CHECK THE CALCULATIONS

CALCULATION	ANSWER	CORRECT	INCORRECT
$4,567 + 385$	4,962		✓
$9,065 - 3,257$	5,808	✓	
$240 \div 40$	80		✓
$5.457 \times 1000$	545.7		✓
$\frac{7}{8}$ of 96	84	✓	
$8,765 \div 5$	1,753	✓	
25% of 964	242		✓

The character who has the missing popcorn is wearing a **hat or a necklace**.

# THE MYSTERY OF THE MISSING POPCORN

## ANSWERS

### CLUE 5: MYSTERY MESSAGE

QUESTION	ANSWER	LETTER
Nick and Fetcher are looking through some of their items from the mainland. 75% of the 340 items are stored in trunks. How many of their items are <b>not</b> stored in trunks?	<b>85</b>	<b>O</b>
Babs is knitting something for Ginger. She has 2m of wool but she has already used 163.6cm. How many centimeters of wool does she have left?	<b>36.4</b>	<b>P</b>
Bunty is counting the different flowers around the island. She counts using the following sequence: 26, 52, 78, 104, 130. What would the next number be?	<b>156</b>	<b>N</b>
Fowler and Mac are walking around the island. Fowler walks 5.68km and Mac walks 11.7km. How many km did they walk altogether?	<b>17.38</b>	<b>S</b>
Frizzle and Molly are playing a game. They start playing at 10:45 a.m. and finish at 12:10 p.m. How many minutes did their game last?	<b>85</b>	<b>O</b>

The special object belonging to the character who has the missing popcorn is a **spoon**.

The character who has the missing popcorn is **Molly**.