



## Whose Egg? – a logic puzzle

### How to use this resource

Use this puzzle with the whole class to introduce children to the steps involved in completing logic puzzles.

Provide as an independent or buddy activity if children already know how to complete logic puzzles on their own.

*Great for reading comprehension and creative thinking; and for collaboration in a paired activity!*

### Why logic puzzles?

Logic puzzles are great for developing thinking skills, and they involve the use of other skills in an integrated way.

Logic puzzles require children to:

- read and interpret the information provided in each clue
- determine which parts of the information are relevant and which can be ignored
- relate new information from subsequent clues to what is already known
- record details to make sense of data
- understand and use the grid layout of a table
- make deductions based on information rather than guesswork
- think creatively.

### What is required

Each puzzler requires

- access to the **Instructions** (page 2 of this document) in *colour*. You could:
  - display it on the white board for use by the whole class
  - print it on A3 for use with a small group, or
  - print it on A4 for individual use.
- a copy of the **Clues** page (provided in both black and white and colour for printing choice).
- a pencil.

### Introducing logic puzzles

If children have not previously solved logic puzzles, it is necessary to demonstrate the steps required to find the solution.

- Read the instructions and the story with the children.
- Read and discuss each clue in turn, inviting children to identify the important information.
- Explain the table layout, and demonstrate how to record the relevant information with a tick or a cross in the appropriate box.
- Explain that when a tick is placed, it is possible to cross the other remaining boxes in both the same row and the same column. This helps to identify other information not provided in the clues using deductive reasoning. (*Children may be able to guess which friend has which egg and basket, but only through deductive reasoning and logical thinking will they know for sure.*)
- When each box has been filled with a tick or a cross, show children how to interpret the information presented on the table and record their results below.

### Follow up activity

*Write your own story* provides children with suggestions for writing a story about the friends and their eggs. It is presented in both black and white and colour for printing choice.

## Whose Egg? – a logic puzzle

### Instructions

Read the story and the clues.

Use the table on the *Clues* page to identify the name of each girl, and which egg she received in which basket.

As you read each clue, mark the boxes to show what you have found out. Use ticks to show a correct match, and crosses to show an incorrect response.

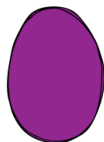
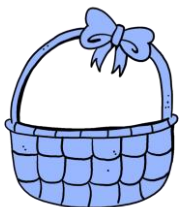
*Hint:* When you find a correct match, you know both other answers in that same column *and* row are incorrect. Remember to mark them too. It will help you find all the correct answers.

### The story

One day three friends, Bella, Chelsey and Molly, went to the store.



They each bought an egg and a basket.






Who bought which egg and which basket?

Can you work it out?

## Clues

1. Molly is wearing her favourite colour pink. But she is not the girl with the pink basket.
2. The girl with the spotted egg is not wearing spots.
3. The girl with the orange and red striped egg is not wearing stripes.
4. The striped egg is in the yellow basket.
5. Chelsey is pleased she got the purple egg.

<b>Friends</b>				
<b>Names</b>	Bella			
	Molly			
	Chelsey			
<b>Eggs</b>	Purple			
	Spotted			
	Striped			
<b>Baskets</b>	Pink			
	Yellow			
	Blue			

**Write your answers here:**




Bella has a \_\_\_\_\_ egg in a \_\_\_\_\_ basket.

Molly has a \_\_\_\_\_ egg in a \_\_\_\_\_ basket.

Chelsey has a \_\_\_\_\_ egg in a \_\_\_\_\_ basket.

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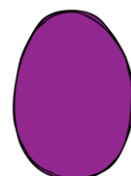
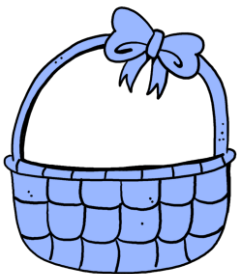
Chelsey has a \_\_\_\_\_ egg in a \_\_\_\_\_ basket.

## Write your own story

Cut out the pictures. Paste them onto a piece of paper. Make sure each friend has the correct basket and egg. Write a story about the friends.

Here are some things you could think about:

- Who did they buy the eggs for? Why?
- Did anything happen on the way to the store?
- What happened at the store?
- Where did they go after they bought the eggs?
- Did anything happen to the eggs?



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