

## Lunchbox Riddle

1. Amy, Billy, Chloe, Danielle and Emma each own a lunchbox. The lunchboxes are standing in a straight line in the dining hall.
2. Each lunchbox is a different colour.
3. Each lunchbox contains a sandwich, a drink and a piece of fruit.
4. Each child has a different sandwich, a different drink and a different piece of fruit.

The question is 'Who has a pear for lunch?'

### **Facts:**

*Amy has a red lunchbox.*

*Danielle has a banana for lunch.*

*Billy only drinks squash.*

*The green lunchbox is on the left of the white lunchbox.*

*The green lunchbox's owner drinks lemonade.*

*The person who eats tuna sandwiches has a peach.*

*The owner of the yellow lunchbox has a ham sandwich.*

*The lunchbox in the middle contains milk.*

*The first lunchbox belongs to Emma.*

*The lunchbox with the egg sandwich is next to the one with the orange.*

*The apple is in the lunchbox next to the one with the ham sandwich.*

*The owner of the cheese sandwich has cola to drink.*

*Chloe only eats jam sandwiches.*

*Emma's lunchbox is next to the blue one.*

*The water-drinker's box is next to the egg-eater's box.*

### Learning and Teaching Objectives

- Identify the given facts and prioritise them
- Look for any relationships and patterns in the information given
- Use one piece of information at a time and see what effect it has
- Choose and use a recording system to organise the given information

## Lunchbox Riddle Solution

|        |        |       |          |          |
|--------|--------|-------|----------|----------|
| Emma   | Billy  | Amy   | Chloe    | Danielle |
| yellow | blue   | red   | green    | white    |
| ham    | egg    | tuna  | jam      | cheese   |
| orange | apple  | peach | pear     | banana   |
| water  | squash | milk  | lemonade | cola     |

Chloe has the pear for lunch.