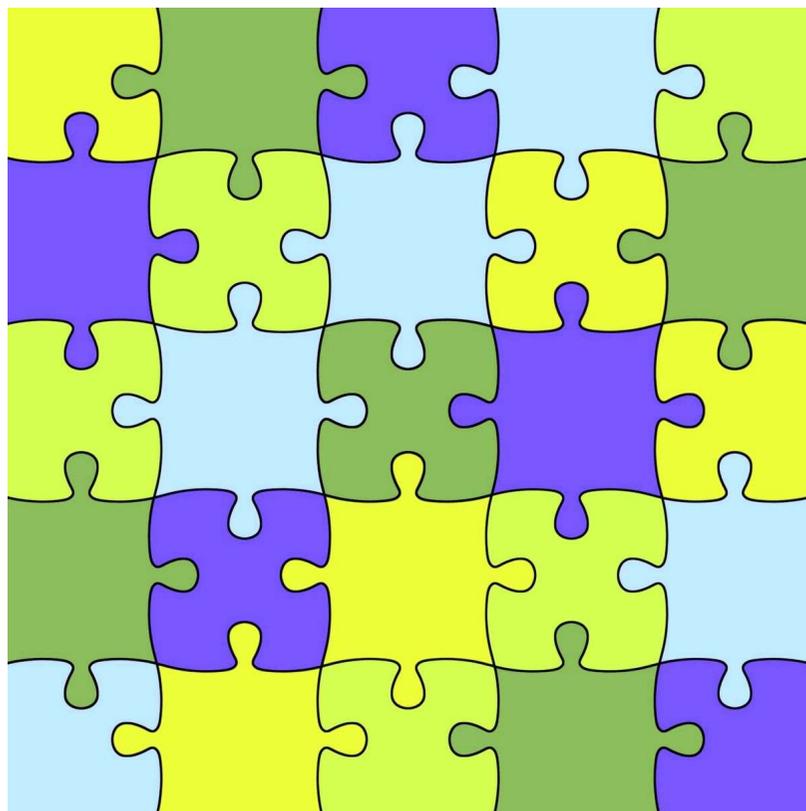


Understanding Ratio

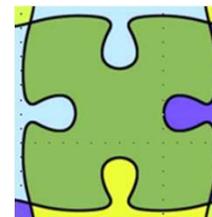
Cue Cards

The Language of Ratio

The **whole** is the *entire amount* you are looking at.

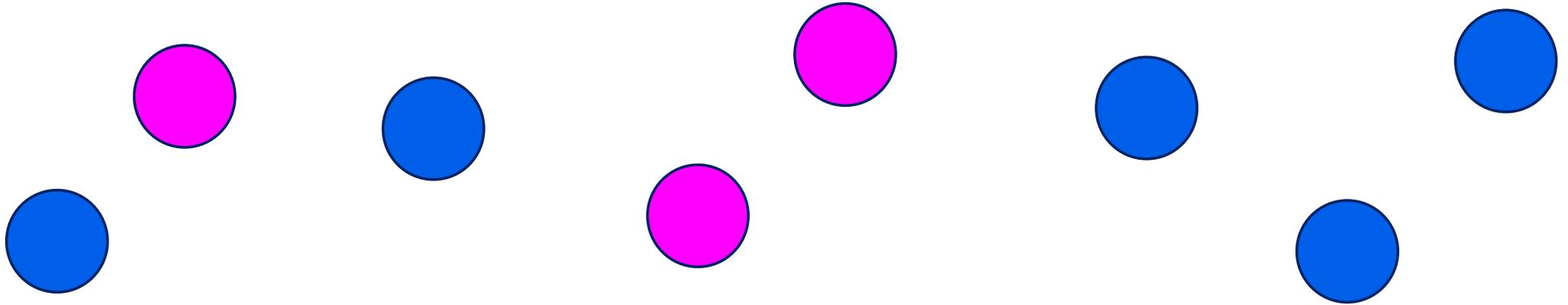


A **part** is a *piece* of the whole.



The Language of Ratio

A ratio is a way of comparing amounts. It tells you how much of one thing there is compared to another thing. You can compare: part to part → one type of thing compared with another type, and part to whole → one type of thing compared with the total amount. We use the ratio symbol – colon (:) – to show the relationship between the parts.



There are **3 pink** counters.

There are **5 blue** counters.

The ratio of **pink** to **blue** counters is **3 : 5** (part to part).

3 out of the **8 counters** are **pink** (part to whole).

5 out of the **8 counters** are **blue** (part to whole).

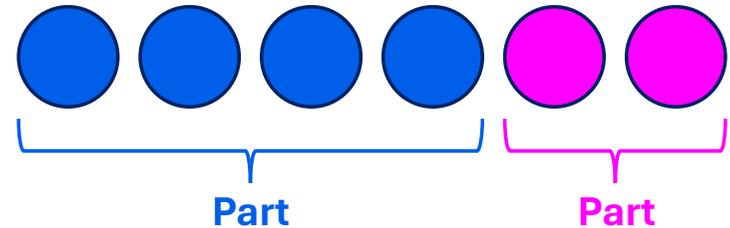
Working Out Ratio

A ratio shows how two or more amounts compare. It is usually written $a : b$, where a and b are whole numbers.

How to work out ratio:

- **Identify the parts** in the question. It may help to draw a picture.
- **Identify the order** in which the parts are to be written.
- **Write the ratio** using a colon.

Example: There are 4 blue counters and 2 pink counters. What is the ratio of blue to yellow?



Blue to pink
 $4 : 2$