

Ratio and Proportion – Information Sheet

[Introduction to ratio and proportion video](#)

Fact file notes from Espresso:

Ratio and proportion

Ratio

We use **ratios** to compare amounts.

A ratio compares one **part** of a group to another **part** of the same group.

It shows how much there is of one thing compared to another.

For example:

Look at the picture. You can use a **ratio** to compare the number of dancers in yellow to the number of dancers in blue.

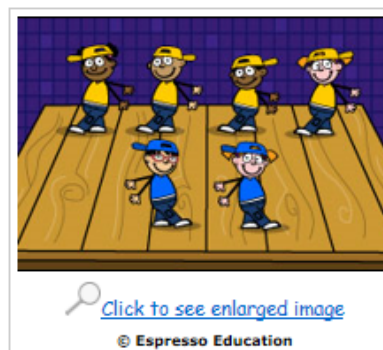
There are 4 dancers in yellow **to every** 2 dancers in blue.

So the ratio of yellow dancers to blue dancers is **4:2**.

Don't forget: **order matters** when writing a ratio.

You must put the numbers in the order you want to compare them.

The ratio of dancers in yellow to dancers in blue is 4:2. If you put the numbers the other way around (2:4) it would say there are 2 dancers in yellow for every 4 in blue.



Ratio and proportion

Proportion

Proportion is a different way of comparing amounts.

We use proportions to compare **parts** of an amount with the **whole** of an amount.

It's the same as a **fraction**.

For example:

Look at the picture. You can use a proportion to compare the number of dancers in yellow to the number of dancers in the whole group.

There are 4 dancers in yellow **out of** 6 dancers in the whole group.

So the proportion of dancers wearing yellow is **4 out of 6**.

The proportion can also be written as this fraction: $\frac{4}{6}$



Remember, for those of you who have the CGP Study Guides for Revision Club, there will be information in those to explain what ratio and proportion are.

Further help and information on ratio and proportion can be found at the following sites:

<https://www.theschoolrun.com/what-is-ratio>

<https://www.theschoolrun.com/what-is-proportion>