

Ratios 2

A **ratio** is similar in many ways to a **comparison**. It often compares the **amounts** of two objects.

For Example: There are 5 dogs in a yard. 3 are brown and 2 are spotted. The **ratio** of brown dogs to spotted dogs is **3 to 2**. This can also be written **3:2**. It means that for every 3 brown dogs there would be 2 spotted dogs. So if we had 9 brown dogs we would expect to have 6 spotted dogs. Both **ratios** are **multiplied** by 3.

Look at the following objects and their ratios. Use the table to help you solve each problem.

	Objects	Ratio
1.	Windows to doors	6 to 1
2.	Cars to bikes	5 to 2
3.	Apples to oranges	2 to 3
4.	Pencils to pens	7 to 4
5.	Boys to girls	13 to 15

1. A house is built with 24 windows. How many doors does it have?

2. If 35 cars drive over a bridge, how many bikes also cross it?

3. A supermarket sells 20 apples. How many oranges are also sold?

4. If 16 students write their assignment in pen, how many write theirs in pencil?

5. In a school if 39 boys go on a field trip, how many girls also go?

Answers

1. 4 doors
2. 14 bikes
3. 30 oranges
4. 28 in pencil
5. 45 girls