Ratios 3.

Sometimes we are required to **calculate** the **ratio** between to objects. In this case we must treat them like a **fraction** and in effect try to simplify using a **common factor**.

Example: There were 64 lions and 104 antelopes, what is the ratio of lions to antelopes?

Step 1: Think of the ratio as a fraction $\frac{64}{104}$

Step2: Simplify and the new fraction is $\frac{8}{13}$

Step3: The ratio of lions to antelopes is **8:13**

Now try to find the ratio of these using the same method.

1. 140 erasers and 60 pencils _____

2. 42 chairs and 14 tables _____

3. 60 people and 12 cars _____

4. 306 pages and 3 books _____

5. 3000 children and 3 schools _____

6. 320 computers and 80 offices _____

7. 49 fire fighters and 7 engines _____

8. 72 eggs and 12 boxes _____

9. 35 litres of juice and 5 bottles _____

ANSWERS

1. erasers to pencils = 7:3

2. chairs to tables = 3:1

3. people to cars = 5:1

4. pages to books = 102:1

5. children to schools = 1000:1

6. computers to offices = 4:1

7. fire fighters to engines = 7:1

8. eggs to boxes = 6:1

9. juice to bottles = 7:1