Experimenting Station

Example: The ratio of the number of story books to the number of academic books in a library is 5:2. If there are 1421 story and academic books altogether. Find number of Story books and Academic books?

Answer: Ratio of story books to academic books is 5:2

Total books are 1421

Sum of their ratio is 5+2 is 7

So 1 part of 1427 is $\frac{1421}{7} = 203$

If 1 part is 203 then 5 parts will be 5x203 = 1015

And 2 parts will be 2x203 = 406

So Story books will be 1015 and academic books will be 406 and all together 1421.

1. A sum of money is divided between Michael and Ethan in the ratio of 4:7. If they have $2200, find the amount of money Michael will get?

   Answer: $

2. Robin is 8 years old. His brother Kevin is 5 years old. The Pocket money they receive is in the same ratio as their ages. How many dollars does Kevin receive if their pocket money total is $26.

   Answer: $

3. If Max bought brown eggs and white eggs in the ratio 2:3.How many brown eggs did he buy if he bought 50 eggs in total?

   Answer:

4. A car company manufactured hatchbacks and sedans in 7:3 ratio. Find how many sedans were manufactured if they manufactured 2000 together?



Answer: