Subject 35   **PROBLEMS (RATIOS – EQUATIONS)**

Please do not write on this exam paper and give it back at the end of the test

Ex1:

A bus leaves a bus stop at 10:35 am and then stops at 4 other bus stops.
If neighbouring stops are 10 minutes apart and the bus remains (for) 3 minutes at each stop,
        at what time does the bus arrive at the last stop?

Ex2:

Karen's class and Jacqui's class are sharing some apples donated by a local farmer
        and everyone in each classroom will have 6 apples.
If Karen's class shared all the apples, each student would have 10 apples.
If Jacqui's class shared all the apples, how many apples would each student in the class have?

Ex3:

On a ranch in Peru, there are two types of animals, llamas and alpacas.
The ranch also has a number of managers.
The ratio of llamas to alpacas is 2 to 3 and the ratio of alpacas to managers is 8 to 1.
What is the ratio of animals to managers?

Vocabulary

The ratio of A to B is 4 to 6 means that for 4 As we have 6 Bs (i.e. 40% A and 60% B)