Name - _ _ _ _ _ _ _ _ Start time - _ _ : _ _ End time - _ _ : _ _

Solve the following questions :

Use the information provided to calculate the other original value:

1) a = 847, HCF = 121, LCM = 3388 - _____

2) a = 231, HCF = 33, LCM = 3003 - _____

3) (a) Two rectangular cakes are being cut into slices. The first cake is 36cm long. The second cake is 40cm long. If every slice is to be the same size, what is the greatest possible width of each slice?
(b) How many slices would there be in total?

4) (a) A Science technician is trying to sort equipment into groups. Each group is required to have the maximum amount of each piece of equipment possible and the same amount of equipment in each group. There are 360 250ml glasses, 200 conical flasks and 420 pipettes. How many groups of equipment can the Technician make?
(b) A cafe receives a delivery of ice cream in large containers. The container of strawberry ice cream weighs 1. 6kg, vanilla ice cream weighs 2. 4kg and chocolate ice cream weighs 2kg. Each dessert must have the same number of scoops of each flavour with no wastage. What is the maximum number of scoops of each flavour ice cream possible in the dessert?

5) Circle the highest common factor of 6, 16 and 20
20, 6, 2, 1, 240