Percentage- ExtensionYr 9

1. A survey of 135 yr 9 students at Rewi High School found that 81 students usually travelled to school by bus, 27 walked and the remainder travelled by other means. Find the percentage of Yr 9 students who usually :
a. Travel by bus
b. Walk to school
c. Travel by other means.

2. Tom's Bike shop discounted all goods by 15 % on Labour day. Liz bought a T-shirt marked at $20.
    a. How much discount did Liz receive?
    b. What price did she pay for her T-shirt?

3.Tom's Bike shop also discounted cycle clothing by 36% for customers who had bought a bike from them in the previous 12 months. Liz bought a pair of cycle shorts in this sale for $48. What was the original price for the shorts?

4. GST is a tax added by the govt to all goods. The GST rate is 15%. Dawn tells her friends that GST is easy to work out saying " You just have to remember 23 and 20' . ' All you need to do to find the true price of goods for which I pay $200 is to divide by 23 and multiply by 20'. Justify her method.