14. Bacteria in a water sample increased from 2.6 ppm to 2.9 ppm. What is the percent increase in bacteria?

P = 2.9 - 2.6 = 0.3

B = 245

R = P/B = 0.3 / 2.9 \* 100 = 10%

16. A company offers a safety harness for $345.00 (HST Included). What is the actual cost of the harness and what is the cost of the tax (15%).

P = 345 – 300 = 45

B = 345/1.15 = 300

17. If the price of a tester decreased from $60 to $36, What is the percent decrease in the cost?

P = 60 – 36 = 24

B = 60

R = P / B = 24 / 60 \* 100 = 40%

18. A camera is on sale for 25% off at a price of 224.96. What was the original price of the camera rounded to the nearest .95? What will the customer pay in total with HST of 15%?

R = 0.25

P = 224.96

B = 224.96 / .75 = 299.95

R = 0.15

P = 224.96

B = 1.15 \* 224.96 = 258.70