Percentage Increase and Decrease - www.m4ths.com

(1) A boat was purchased for £400 and sold for £500. Find the percentage increase in its value.

(2) A painting was bought for £120 and sold for £137. Find the % increase in its value giving your answer to 1dp.

(3) A car was bought for £3000 and sold for £2400. Find the percentage decrease in the value of the car.

(4) A bike was purchased for £800 and sold for £300. Find the % decrease. Give your answer to the nearest %

(5) John drops from 82.47kg to 72.6kg. Find (a) The % reduction in his weight and (b) How much of his original weight he now weighs.

(6) Freda loses some weight. She reduces her weight over a 4 months period from 56kg to 49.5kg. (a) Find the % decrease in her weight and (b) Find the average % loss each month.

(7) Shamila and Joe share some money in the ratio 2:3. Joe has £18. After a shopping trip Shamila has £4 left of her share. By what % has her total amount of money decreased?

(8) The quantity P increases to a value of Q. Find the % increase in terms of P and Q.

(9) A rock has a mass of Mkg. The mass of the rock reduces to (M – 1) kg. Find the % decrease in the mass of the rock in terms of M.

(10) The % increase when X is raised to Y is Z. Express Y in terms of X and Z.