

1. According to P.A. Shelton and coauthors (Assessment of the cod stock in NAFO Divisions 2J+3KL, *Department of Fisheries and Oceans, Atlantic Fisheries Research Document 96/80*) the relation between biomass ($W = \text{kg}$) and length ($L = \text{cm}$) of cod was:

$$W = 10^{-5.2106} L^{3.0879}$$

For a cod of average length ($\beta_0 = 56.7 \text{ cm}$) what is the biomass ? _____

Write a data equation for 56.7 cm fish with a mass of 1.8 kg.

$$\text{_____} = \text{_____} + \text{_____}$$

2. Write an H_A / H_0 pair concerning the mass of fish in two years, W_{1984} versus W_{1986} . State the two hypotheses in words as well as symbolic form.