

1. According to the A. W. May (Fecundity of Atlantic Cod, *Journal of the Fisheries Research Board of Canada* 24: 1531-1551, 1967) the relation between fecundity ( $N_{\text{egg}}$  = eggs/female) and body length ( $L$  = cm) is

$$F = 0.50 L^{3.42}$$

What is the fecundity of an average length cod?  
The average length is currently 56.7 cm

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Write a data equation for a 56.7 cm cod with a fecundity of  $6.0 \times 10^5$  eggs.

\_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_

2. Write an  $H_A / H_0$  pair concerning the fecundity of fish in two years,  $W_{1983}$  versus  $W_{1985}$ . State the two hypotheses in words as well as symbolic form.