

Problem 1 (40)

In a population of 2,000 oysters, 1,920 are solid colored, and 80 are banded. It is known that the solid color occurs in homozygous dominant (AA) and heterozygotes (Aa); bands only occur in homozygous recessive individuals (aa). Calculate gene frequencies and numbers of AA, Aa, and aa oysters, assuming Hardy-Weinberg equilibrium.

	AA	Aa	aa
Frequencies			
Number of individuals			