

Long-haired and short-haired cats

This task is about genetics.

Cats have a gene which controls the length of their hair (fur).

The form of the gene for short-hair (H), is dominant over the form of the gene for long-hair (h).

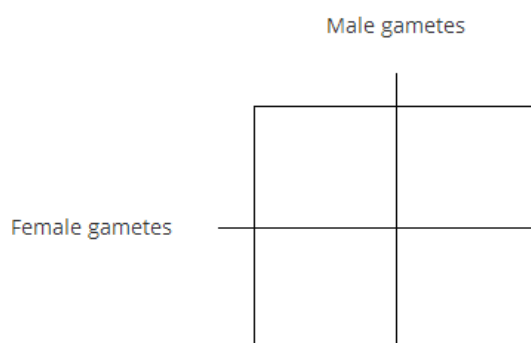
A cat breeder has a male and female cat. Both cats are heterozygous for hair length. These cats produced 8 kittens.

a) What are the genotypes of the parent male and female cats?

i) male: _____

ii) female: _____

b) Complete the punnet square below to show the possible genotypes in the kittens.



c) Of the 8 kittens produced, how many would be expected to have short-hair? _____