



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

PRACOVNÍ LIST

Výukový materiál GE 02 - 53	Název: HEREDITY
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Projekt: S anglickým jazykem do dalších předmětů	Registrační číslo: CZ.1.07/1.1.36/03.0005
Tento projekt je spolufinancován ESF a SR ČR	

- In the second generation of the posterity after interbreed crossing hens of type Bantam and Plymouth following values were marked by a random sample of ten adults:
- 1030 g, 1210 g, 1560 g, 1390 g, 1160 g, 870 g, 910 g, 1220 g a 1410 g.
- What is average body weight, which can be theoretically expected in this collection of hybrids?
- What range of values of body weight of adult individuals may occur in this collection under specific conditions?

Example 3:

- A blue-eyed man, whose parents both have brown eyes, married a girl who has brown eyes and whose father was blue-eyed, while his mother was brown-eyed.
- Their only child so far has brown eyes.
- What are the genotypes of the child, the parents and all the grandparents, if you know that brown eye colour is dominant over blue?