ther gene A or B produce white					CP	Ср	cP	ср
	9/16 7/16 White flowers		Purple White White flower	СР	CCPP Purple	CCPp Purple	CcPP Purple	CcPp Purple
	ССрр СсРр		PPcc CcPp	Ср	CCPp Purple	CCpp White	CcPp Purple	Ccpp White
	Purple Purple CP = 9 Purple Cp = 3 White			cP	CcPP Purple	CcPp Purple	ccPP White	ccPp White
	P = 3 White 0 = 1 White	7		ср	CcPp Purple	Ccpp White	ccPp White	ccpp White

## (d) Duplicate genes with cumulative effect (9:6:1):

Certain phenotypic traits depend on the dominant alleles of two gene loci. When dominant is present it will show its phenotype. The ratio will be 9: 6: 1.

Complete dominance at both gene pairs, interaction between both dominance to give new phenotypes.

Fruit shape in summer squash from A of 6

Gene pair Acolere shape dominance to give new phenotypes.

Gene pair 'B' sphere shape dominant overlong.

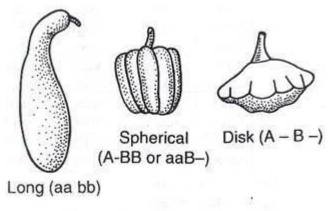


Fig. 39.1. Shape of summer squash.

Interaction at 'AB' when present together, form disc-shaped fruit (Fig. 39.1)

Disc shaped fruits 9/16