Fish Farming - Solution

Time	Mean	St.Dev.	Ratio
Year1-Week24	42.35	8.03	5.28
Year1-Week37	221.39	42.62	5.19
Year1-Week41	307.43	57.51	5.35
Year1-Week46	454.97	96.50	4.71
Year1-Week50**	593.33	121.31	4.89
Year2-Week03	772.07	152.61	5.06
Year2.Week12	986.22	174.86	5.64
Year2-Week29	1619.60	318.67	5.08
Year2-Week39	2509.70	501.61	5.00
Year2-Week47	3390.30	808.02	4.20
Year3-Week06*	4248.40	1061.36	4.00

All pass Normality test at 10% level, except * (P=0.074) and ** (P=0.028). We see a fairly constant ratio between the mean and the corresponding standard deviation. If the mean is estimated by observation or judgment we may take the standard deviation as 1/5 of that.
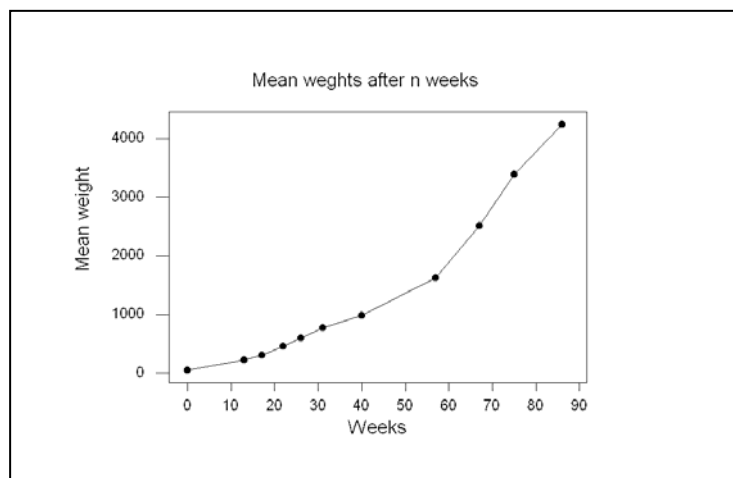
Two weight distributions about a year apart are illustrated by histograms: