

# Instructor Solution

## Size matrix

	Low	Mid	High	
VS	0	6	7	LOC/Method
S	7	7	9	LOC/Method
M	9	10	12	LOC/Method
L	12	13	15	LOC/Method
VL	15	18	big	LOC/Method

## Component sizing

Component	Relative Size	Raw New LOC	
ForecastedComponent01		40	LOC
ForecastedComponent02	M	40	LOC
ForecastedComponent03	L	26	LOC
ForecastedComponent04	VS	36	LOC
ForecastedComponent05	VS	36	
ForecastedComponent06	S	7	LOC

## Size and effort calculations

Total raw size (LOCr)	185	LOC
Planned size (LOCp)	196	LOC
Lower prediction interval (LPI)	138	LOC
Upper prediction interval (UPI)	289	LOC
Confidence	high	
Productivity (Prod)	19.2	LOC/hr
Planned effort (Ep)	613	Minutes
Lower prediction interval (LPI)	374	Minutes
Upper prediction interval (UPI)	1210	Minutes
Confidence	medium	
Worst case lower prediction interval	264	Minutes
Best case upper prediction interval	1779	Minutes

## Activity calculations

Analysis	104	Minutes
Architecture	43	Minutes
Project planning	6	Minutes
Iteration planning	12	Minutes
Construction	288	Minutes
Refactoring	18	Minutes
Review	31	Minutes
Integration test	43	Minutes
Repatterning	25	Minutes
Postmortem	31	Minutes
Sandbox	12	Minutes