

Line of Balance Diagram

Total Project Duration: 78 days

Parameters:

Productivity demand = 3 sections/week

Work hours per day = 8 hrs

Work week = 5 days

Buffer between activities = 5 days

ACTIVITY LEGEND

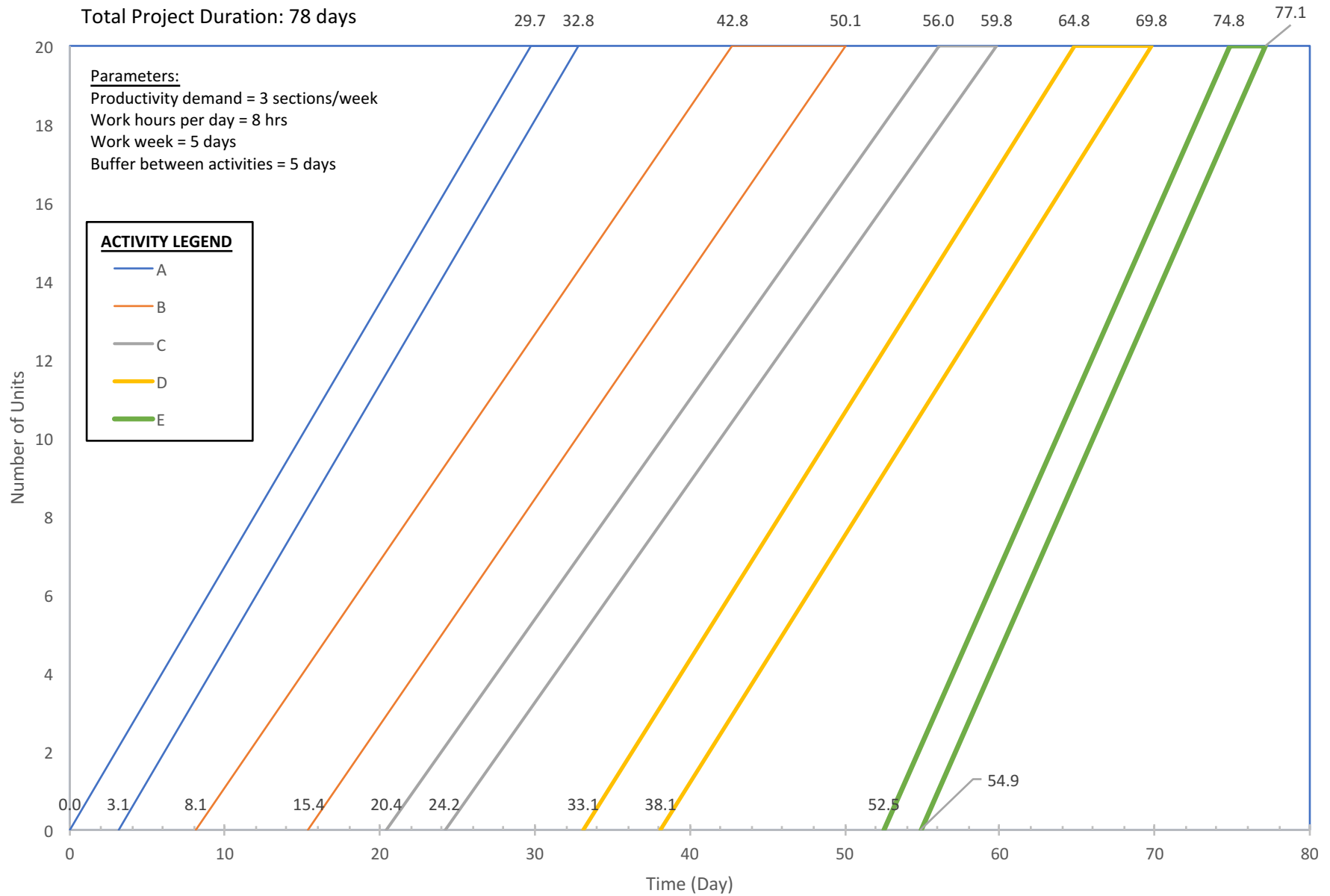
— A

— B

— C

— D

— E



WEEK 4: Line of Balance Diagram

Desired output rate, R 3 sections/week
Repeated units, n 20
Working hours per day 8 hrs
Working days per week 5 days

1	2	3	4	5	6	7	8	9	
Activity	Manhours per Unit	Men per gang	Theoretical Gang size at the chosen output rate,	Actual Gang size, G _a	Actual output rate, R _a	Activity Duration for one unit	Time from start on first unit to start on last unit	Minimum buffer time	Buffer applied
A	100	4	7.5	8	3.20	3.13	29.69	5	After 1st unit
B	350	6	26.3	24	2.74	7.29	34.64	5	After 1st unit
C	60	2	4.5	4	2.67	3.75	35.63	5	After last unit
D	200	5	15.0	15	3.00	5.00	31.67	5	After last unit
E	150	8	11.3	16	4.27	2.34	22.27	5	

Duration 77.14