

Month	Demand
1	20
2	40
3	110
4	120
5	60
6	30
7	20
8	30
9	80
10	120
11	130
12	40
	800

D_bar	66,666666
EOQ	130
T_EOQ	2

$$\bar{D} = \frac{\text{Total requirements}}{12 \text{ months}}$$

$$T_{EOQ} = \frac{EOQ}{\bar{D}} = \sqrt{\frac{2A}{\bar{D}vr}}$$

t	1	2	3	4	5	6	7	8	9	10	11	12	Total
Dt	20	40	110	120	60	30	20	30	80	120	130	40	800
Qt	60		230		90		50		200		170		800
It	40	0	120	0	30	0	30	0	120	0	40	0	380
Setup cost	25	0	25	0	25	0	25	0	25	0	25	0	150
Holding cost	8	0	24	0	6	0	6	0	24	0	8	0	76
Total cost	33	0	49	0	31	0	31	0	49	0	33	0	226

A	25
h	0,2