

اكل الفودج

كوت عمليات

للكة ودية

الفرقة الثالثة - هندسة صناعية

→ اسرار هلاكي

Q1 (12)

Month	Demand	n = 3	n = 6	n = 9
1	16			
2	14			
3	12			
4	15	14		
5	18	13.67		
6	21	15		
7	23	18		
8	24	20.67		
9	25	22.67	18.7	
10	26	24		
11	37	25	19.78	
12	38	29.33	22.33	
13	33.7	28.84	25.22	

# Simple Method

Month	Jan	Feb	Mar	Apr.	May	June	July	Aug	Sept	Oct	Nov
Year 1	100	87	86	75	92	107	115	131	120	118	120
Year 2	123	104	105	93	121	136	130	155	158	142	147
Year 3	111.5	94.6	95.5	89	106.5	121.5	122.5	143	139	130	135

	January	February	March
Beginning Inventory	200	360	230
Demand	500	600	650
Req. production	300	240	420
No. of workers	15	15	15
Actual prod.	660	660	660

\* Required production =  $600 - 360 = 240$

\* Total inventory cost = \$ 9485

\* Conclusion

Ex 4 - 20

	Period 5	Period 6	period 7	period 8	Total
- prod./worker					
- prod.					
- Demand					
- Fired work					
+ hire cost					
- Fire cost * 10	46	46	30	30	152
Net Inv.	0	0	0	0	0
Total cost	46	46	30	30	152

310

	Period 5	Period 6	Period 7	Period 8	Total
Forecast *10	38	38	38	38	152
Total cost *10	38.1	38.1	38.1	38.1	152.400