Lead Time Comparison

* ***EBQ Lead time V. Purchase Order Quantity***
* ***Gantt Chart – a type of bar chart that illustrates a project schedule in this case comparing the EBQ and Purchase Order (PO) lead times***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **EBQ = 30** |  |  | **Day** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **Sales(£)** |  |
|  |  |  |  | **Time** | **8hrs** | **8hrs** | **8hrs** | **8hrs** | **8hrs** | **8hrs** | **8hrs** | **8hrs** | **8hrs** | **8hrs** | **900** |  |
|  | **EBQ = 30** | **Set Time** | **M/c time** |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Op 1** | **1** | **15** | **16** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Op2** | **1** | **15** | **16** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Op3** | **1** | **15** | **16** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Op4** | **1** | **15** | **16** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Op5** | **1** | **15** | **16** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Added V** |  |  |  | **140** | **160** | **140** | **160** | **140** | **160** | **140** | **160** | **140** | **160** |  |  |
|  | **Inventory(£)** |  |  | **3000** | **3140** | **3300** | **3440** | **3600** | **3740** | **3900** | **4040** | **4200** | **4340** | **4500** | **3600** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **PO = 6** |  |  |  |  |  |  | **Sales(£)** |  |  |  |  |  |  |  |  |
|  | **Order = 6** |  |  | **4** |  |  |  | **900** |  |  |  |  |  |  |  |  |
|  | **Op 1+ Op2** | **2** | **6** | **8** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Op3 + Op4** | **2** | **6** | **8** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Op5 + Desp** | **2** | **6** | **8** |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Added V** |  |  |  | **120** | **120** | **60** |  |  |  |  |  |  |  |  |  |
|  | **Inventory(£)** |  |  | **600** | **720** | **840** | **900** | **0** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |