Sample 1:

**Part store warehouse inventory list:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Part name** | **Part number** | **Units in stock** | **Aisle/shelf/bin**  |
| Upper strut mount | 012345 | 24 | 2/5/12 |
| Coil spring | 023456 | 32 | 4/5/2 |
| Strut dust boot | 034567 | 46 | 6/5/21 |
| Strut assembly | 045678 | 58 | 1/5/6 |
| Outer tie rod end | 056789 | 10 | 2/4/8 |
| Lower control arm bushings | 078912 | 62 | 2/4/9 |
| Sway bar | 089123 | 5 | 6/7/5 |
| Sway bar bushing | 091234 | 735 | 6/8/7 |
| Ball joint | 098745 | 89 | 2/7/3 |
| Lower control arm | 087456 | 12 | 6/8/7 |
| Camshaft sprocket | 074561 | 91 | 10/7/25 |
| Camshaft | 045612 | 125 | 9/7/12 |
| Sprocket | 056123 | 224 | 9/8/1 |
| Spark plug | 061237 | 368 | 9/8/75 |
| Spark plug wire | 012365 | 492 | 2/10/4 |
| Intake cover | 023654 | 52 | 8/7/56 |
| Upper intake gasket | 036547 | 3 | 20/7/1 |
| Lower intake gasket | 065478 | 61 | 3/8/4 |
| Thermostat | 054789 | 75 | 4/8/16 |
| Valves | 047894 | 87 | 9/2/7 |

**Sample 1- part 2**

**Order**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Part name** | **Part number** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Total Monthly order** |
| Upper strut mount | 012345 | 4 | 12 | 0 | 0 |  |
| Coil spring | 023456 | 2 | 5 | 25 | 0 |  |
| Strut dust boot | 034567 | 6 | 0 | 0 | 0 |  |
| Strut assembly | 045678 | 8 | 0 | 1 | 0 |  |
| Outer tie rod end | 056789 | 10 | 0 | 0 | 0 |  |
| Lower control arm bushings | 078912 | 2 | 0 | 0 | 0 |  |
| Sway bar | 089123 | 5 | 0 | 2 | 0 |  |
| Sway bar bushing | 091234 | 35 | 0 | 0 | 0 |  |
| Ball joint | 098745 | 9 | 20 | 0 | 0 |  |
| Lower control arm | 087456 | 12 | 2 | 1 | 1 |  |
| Camshaft sprocket | 074561 | 1 | 12 | 5 | 2 |  |
| Camshaft | 045612 | 25 | 2 | 0 | 2 |  |
| Sprocket | 056123 | 24 | 0 | 0 | 1 |  |
| Spark plug | 061237 | 68 | 0 | 52 | 152 |  |
| Spark plug wire | 012365 | 92 | 3 | 0 | 0 |  |
| Intake cover | 023654 | 2 | 1 | 0 | 2 |  |
| Upper intake gasket | 036547 | 3 | 0 | 0 | 2 |  |
| Lower intake gasket | 065478 | 21 | 41 | 11 | 0 |  |
| Thermostat | 054789 | 5 | 0 | 0 | 0 |  |
| Valves | 047894 | 47 | 0 | 0 | 54 |  |

**Sample 1 part 3**

**Sample 2:**

The scatter plot shows the number of cars (in millions) that were produced by from 1999 to 2005. If the trend continued, about how

many cars were sold in 2006?

Predict the number of cars sold in 2007

****

**Sample 3:**

**U tracking company**

**3 drivers:**

* **John- truck number UT55565**
* **Michel, truck number UT55652**
* **David, truck number UT45654**

**Drivers can only work 8 hours’ shifts**

|  |  |  |  |
| --- | --- | --- | --- |
| **City/ business** | **Truck number** | **Day of the week** | **Number of deliveries** |
| **Louisville/Macys** | **UT55565** | **Monday** | **2** |
| **Louisville/Longhorn** | **UT55565** | **Monday** | **1** |
| **Lexington/Dillard’s** | **UT55652** | **Monday** | **1** |
| **Frankfort/Kroger** | **UT45654** | **Tuesday** | **2** |
| **Bowling green/auto part** | **UT45654** | **Wednesday** | **5** |
| **Madisonville/Lowes** | **UT45654** | **Thursday** | **2** |
| **Owensboro/Tractor Supply** | **UT45654** | **Friday** | **2** |
| **Covington/Lowes** | **UT55652** | **Friday** | **1** |
| **Covington/Jungle Jims** | **UT55652** | **Friday** | **2** |
| **Covington/Ikea** | **UT55565** | **Friday** | **3** |
| **Hopkinsville/Walmart** | **UT55652** | **Monday** | **1** |
| **Hopkinsville/Kroger** | **UT55565** | **Tuesday** | **2** |
| **Richmond/Walmart** | **UT45652** | **Wednesday** | **2** |
| **Louisville/Macys** | **UT45654** | **Tuesday** | **2** |
| **Louisville/Longhorn** | **UT55652** | **Wednesday** | **1** |
| **Lexington/Dillard’s** | **UT55565** | **Thursday** | **2** |
| **Bowling green/auto part** | **UT55565** | **Friday** | **3** |
| **Covington/Lowes** | **UT45654** | **Saturday** | **2** |
| **Louisville/Macys** | **UT55565** | **Friday** | **1** |
| **Covington/ Ikea** | **UT45654** | **Monday** | **2** |
| **Bowling green/auto part** | **UT55652** | **Monday** | **2** |
| **Covington/Jungle Jims** | **UT55565** | **Monday**  | **2** |
| **Covington/Lowes** | **UT55652** | **Tuesday** | **2** |
| **Louisville/Macys** | **UT45654** | **Thursday** | **2** |