**Culminating Activity**

**Lego Helicopter**

* Original Manufacturing cost: $1000
* Selling price: $1200

**Lego Boat**

* Original Manufacturing cost: $800
* Selling price: $1000

|  |  |  |  |
| --- | --- | --- | --- |
| **Color of Lego** | **Price ($)** | **# of Pieces Removed** | **Cost Removed (# \* Price)** |
| Blue | 3 |  |  |
| Yellow | 10 |  |  |
| White | 5 |  |  |
| Black | 5 |  |  |
| Clear | 10 |  |  |
| Light Grey | 5 |  |  |
| Dark Grey | 6 |  |  |
| Red | 8 |  |  |
|  |  | Total Cost Removed |  |

**Reduction Percentage Calculation**

= Percent Cost Reduction

|  |  |
| --- | --- |
| **Total Original Manufacturing Cost** |  |
| **Total Cost Removed** |  |
| **Percent Cost Reduction** |  |

**Total Money Made**

|  |  |  |
| --- | --- | --- |
|  | **Run #1** | **Run #2** |
| **WIP Expense** |  |  |
| **Income** |  |  |
| **Total Money Made** |  |  |

**Example Cost Tables:**  Lego Boat

**Lego Boat**

* Original Manufacturing cost: $800
* Selling price: $1000

|  |  |  |  |
| --- | --- | --- | --- |
| **Color of Lego** | **Price ($)** | **# of Pieces Removed** | **Cost Removed (# \* Price)** |
| Blue | 3 | 4 | 12 |
| Yellow | 10 | 6 | 60 |
| White | 5 | 3 | 15 |
| Black | 5 | 6 | 30 |
| Clear | 10 | 1 | 10 |
| Light Grey | 5 | 4 | 20 |
| Dark Grey | 6 | 4 | 24 |
| Red | 8 | 2 | 16 |
|  |  | Total Cost Removed | $187 |

**Reduction Percentage Calculation**

= 23.4% Cost Reduction

|  |  |
| --- | --- |
| **Total Original Manufacturing Cost** | $800 |
| **Total Cost Removed** | $187 |
| **Percent Cost Reduction** | 23.7% |

**Total Money Made**

|  |  |  |
| --- | --- | --- |
|  | **Run #1** | **Run #2** |
| **WIP Expense** | $150 | $50 |
| **Income** | $1000 | $3000 |
| **Total Money Made** | $850 | $2950 |