

Cost Analysis for Shane's Candies

Allocate Analytics

August 19, 2018

Cost and Margin for Truffle (Milk)

Warning: package 'ggplot2' was built under R version 3.5.1

Warning: package 'scales' was built under R version 3.5.1

##	Product	Batch.Size	Cost.Type	Ing.or.Phase	Quantity
## 1	Truffle (Milk)	36	Ingredient	Cocoa	190.0
## 2	Truffle (Milk)	36	Ingredient	Frosting	90.0
## 3	Truffle (Milk)	36	Ingredient	Milk	295.7
## 4	Truffle (Milk)	36	Ingredient	Sugar	380.0
## 5	Truffle (Dark)	36	Ingredient	Cocoa	190.0
## 6	Truffle (Dark)	36	Ingredient	Frosting	60.0
## 7	Truffle (Dark)	36	Ingredient	Sugar	380.0
## 8	Brownie (Milk)	12	Ingredient	Cocoa	380.0
## 9	Brownie (Milk)	12	Ingredient	Eggs	4.0
## 10	Brownie (Milk)	12	Ingredient	Flour	62.7
## 11	Brownie (Milk)	12	Ingredient	Milk	22.5
## 12	Brownie (Milk)	12	Ingredient	Sugar	285.0
## 13	Brownie (Dark)	12	Ingredient	Cocoa	380.0
## 14	Brownie (Dark)	12	Ingredient	Eggs	4.0
## 15	Brownie (Dark)	12	Ingredient	Flour	62.7
## 16	Brownie (Dark)	12	Ingredient	Sugar	285.0
## 17	Mini-Cake (Chocolate)	8	Ingredient	Caramel	120.0
## 18	Mini-Cake (Chocolate)	8	Ingredient	Cocoa	24.0
## 19	Mini-Cake (Chocolate)	8	Ingredient	Eggs	1.0
## 20	Mini-Cake (Chocolate)	8	Ingredient	Flour	95.0
## 21	Mini-Cake (Chocolate)	8	Ingredient	Sugar	36.0
## 22	Mini-Cake (Vanilla)	8	Ingredient	Cocoa	24.0
## 23	Mini-Cake (Vanilla)	8	Ingredient	Eggs	1.0
## 24	Mini-Cake (Vanilla)	8	Ingredient	Flour	95.0
## 25	Mini-Cake (Vanilla)	8	Ingredient	Sugar	36.0
## 26	Mini-Cake (Vanilla)	8	Ingredient	Vanilla bean	4.0
## 27	Big Lollipop	100	Ingredient	Liquid Sugar	3785.4
## 28	Big Lollipop	100	Ingredient	Lollipop sticks	100.0
## 29	Big Lollipop	100	Ingredient	Wrapper	100.0
## 30	Candy Cane	25	Ingredient	Liquid Sugar	1892.7
## 31	Candy Cane	25	Ingredient	Wrapper	25.0
## 32	Cashew Cluster	16	Ingredient	Cashews	60.0
## 33	Cashew Cluster	16	Ingredient	Cocoa	240.0
## 34	Cashew Cluster	16	Ingredient	Milk	120.0
## 35	Cashew Cluster	16	Ingredient	Sugar	190.0
## 36	Truffle (Milk)	36	Labor	Phase 1	1.0
## 37	Truffle (Milk)	36	Labor	Phase 2	2.0
## 38	Truffle (Milk)	36	Labor	Phase 3	1.0
## 39	Truffle (Dark)	36	Labor	Phase 1	1.0
## 40	Truffle (Dark)	36	Labor	Phase 2	3.0

## 41	Truffle (Dark)	36	Labor	Phase 3	2.0
## 42	Brownie (Milk)	12	Labor	Phase 1	2.0
## 43	Brownie (Milk)	12	Labor	Phase 2	3.0
## 44	Brownie (Milk)	12	Labor	Phase 3	1.0
## 45	Brownie (Dark)	12	Labor	Phase 1	2.0
## 46	Brownie (Dark)	12	Labor	Phase 2	3.0
## 47	Brownie (Dark)	12	Labor	Phase 3	1.0
## 48	Mini-Cake (Chocolate)	8	Labor	Phase 1	3.0
## 49	Mini-Cake (Chocolate)	8	Labor	Phase 2	2.0
## 50	Mini-Cake (Chocolate)	8	Labor	Phase 3	1.0
## 51	Mini-Cake (Vanilla)	8	Labor	Phase 1	3.0
## 52	Mini-Cake (Vanilla)	8	Labor	Phase 2	2.0
## 53	Mini-Cake (Vanilla)	8	Labor	Phase 3	1.0
## 54	Big Lollipop	100	Labor	Phase 1	1.0
## 55	Big Lollipop	100	Labor	Phase 2	2.0
## 56	Big Lollipop	100	Labor	Phase 3	3.0
## 57	Candy Cane	25	Labor	Phase 1	1.0
## 58	Candy Cane	25	Labor	Phase 2	1.0
## 59	Candy Cane	25	Labor	Phase 3	2.0
## 60	Cashew Cluster	16	Labor	Phase 1	2.0
## 61	Cashew Cluster	16	Labor	Phase 2	1.0
## 62	Cashew Cluster	16	Labor	Phase 3	3.0

##	Unit	Cost	Cost.Div.Batch
## 1	g	1.04636346	0.029065652
## 2	g	6.00000000	0.166666667
## 3	ml	1.43420269	0.039838964
## 4	g	0.55711105	0.015475307
## 5	g	1.04636346	0.029065652
## 6	g	4.00000000	0.111111111
## 7	g	0.55711105	0.015475307
## 8	g	2.09272691	0.174393909
## 9	units	0.79666667	0.066388889
## 10	g	0.31793029	0.026494191
## 11	ml	0.10912939	0.009094116
## 12	g	0.41783329	0.034819440
## 13	g	2.09272691	0.174393909
## 14	units	0.79666667	0.066388889
## 15	g	0.31793029	0.026494191
## 16	g	0.41783329	0.034819440
## 17	g	2.11115765	0.263894707
## 18	g	0.13217223	0.016521528
## 19	units	0.19916667	0.024895833
## 20	g	0.48171256	0.060214070
## 21	g	0.05277894	0.006597368
## 22	g	0.13217223	0.016521528
## 23	units	0.19916667	0.024895833
## 24	g	0.48171256	0.060214070
## 25	g	0.05277894	0.006597368
## 26	units	3.84000000	0.480000000
## 27	ml	11.83200000	0.118320000
## 28	units	3.68600000	0.036860000
## 29	units	1.59800000	0.015980000
## 30	ml	5.91600000	0.236640000
## 31	units	0.39950000	0.015980000

```

## 32          g  0.59458983    0.037161864
## 33          g  1.32172226    0.082607641
## 34         ml  0.58202341    0.036376463
## 35          g  0.27855552    0.017409720
## 36 labor hours 20.00000000    0.555555556
## 37 labor hours 40.00000000    1.111111111
## 38 labor hours 20.00000000    0.555555556
## 39 labor hours 20.00000000    0.555555556
## 40 labor hours 60.00000000    1.666666667
## 41 labor hours 40.00000000    1.111111111
## 42 labor hours 40.00000000    3.333333333
## 43 labor hours 60.00000000    5.000000000
## 44 labor hours 20.00000000    1.666666667
## 45 labor hours 40.00000000    3.333333333
## 46 labor hours 60.00000000    5.000000000
## 47 labor hours 20.00000000    1.666666667
## 48 labor hours 60.00000000    7.500000000
## 49 labor hours 40.00000000    5.000000000
## 50 labor hours 20.00000000    2.500000000
## 51 labor hours 60.00000000    7.500000000
## 52 labor hours 40.00000000    5.000000000
## 53 labor hours 20.00000000    2.500000000
## 54 labor hours 20.00000000    0.200000000
## 55 labor hours 40.00000000    0.400000000
## 56 labor hours 60.00000000    0.600000000
## 57 labor hours 20.00000000    0.800000000
## 58 labor hours 20.00000000    0.800000000
## 59 labor hours 40.00000000    1.600000000
## 60 labor hours 40.00000000    2.500000000
## 61 labor hours 20.00000000    1.250000000
## 62 labor hours 60.00000000    3.750000000
## 'data.frame':    62 obs. of  8 variables:
## $ Product      : Factor w/ 9 levels "Truffle (Milk)",...: 1 1 1 1 2 2 2 3 3 3 ...
## $ Batch.Size   : num  36 36 36 36 36 36 36 12 12 12 ...
## $ Cost.Type    : Factor w/ 2 levels "Ingredient","Labor": 1 1 1 1 1 1 1 1 1 1 ...
## $ Ing.or.Phase : Factor w/ 20 levels "Phase 8","Phase 7",...: 9 13 11 10 9 13 10 9 14 15 ...
## $ Quantity     : num  190 90 296 380 190 ...
## $ Unit         : chr   "g" "g" "ml" "g" ...
## $ Cost         : num   1.046 6 1.434 0.557 1.046 ...
## $ Cost.Div.Batch: num   0.0291 0.1667 0.0398 0.0155 0.0291 ...
## NULL

```



