Data test

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This is a report for the questions of the data test from Tiny Totos Kenya.

## Solutions to question one

Column and Row averages.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X1 | Jan | Feb | Mar | April | May | June | July | Aug | Sep | Oct | Nov | Dec | row averages |
| 2015 | 642.00 | 636.00 | 779.00 | 468.00 | 746.00 | 1033.00 | 1451 | 1209.00 | 1616.00 | 2508.00 | 2081.00 | 1416 | 1215.42 |
| 2016 | 2646.00 | 3061.00 | 4203.00 | 2640.00 | 4070.00 | 4624.00 | 5307 | 4943.00 | 5728.00 | 5731.00 | 3588.00 | 2561 | 4091.83 |
| 2017 | 5503.00 | 5719.00 | 6480.00 | 4021.00 | 6051.00 | 6126.00 | 5815 | 2619.00 | 5570.00 | 6952.00 | 4467.00 | 3271 | 5216.17 |
| column averages | 2930.33 | 3138.67 | 3820.67 | 2376.33 | 3622.33 | 3927.67 | 4191 | 2923.67 | 4304.67 | 5063.67 | 3378.67 | 2416 | NA |

The table above shows the row and column averages.

## Solutions for question 2

This are the solutions to question 1 part two about cumulative unit sales from January 2015 to December 2017.

Cumulative Unit sales.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X1 | Jan | Feb | Mar | April | May | June | July | Aug | Sep | Oct | Nov | Dec |
| 2015 | 642 | 1278 | 2057 | 2525 | 3271 | 4304 | 5755 | 6964 | 8580 | 11088 | 13169 | 14585 |
| 2016 | 2646 | 5707 | 9910 | 12550 | 16620 | 21244 | 26551 | 31494 | 37222 | 42953 | 46541 | 49102 |
| 2017 | 5503 | 11222 | 17702 | 21723 | 27774 | 33900 | 39715 | 42334 | 47904 | 54856 | 59323 | 62594 |