

Row Id	Customer	Order date	Shipped date	Segment	Country	State	Postal Code	ID	Date	Region	City	Category	Sub Category	Sales	Product	Qty	Discount	Profit
1	Claire	12-01-2023	13-02-2024	Customer	United State	Kentucky	45126	ID07351	1-Jan	East	Boston	Bars	Bookcases	261.2	Carrot	33	4	41.9
2	Claire	12-02-2023	25-04-2023	Customer	United State	Kentucky	12456	ID07352	4-Jan	East	Boston	Crackers	Chairs	25.3	Whole Whe	87	5	45.4
3	Darrin	12-03-2023	05-07-2023	Customer	United State	California	52136	ID07353	7-Jan	West	Los Ange	Cookies	Chairs	1.12	Chocolate C	58	5	12.4
4	Sean	11-03-2023	04-10-2023	Customer	United State	Florida	85962	ID07354	10-Jan	East	New York	Cookies	Bookcases	5.23	Chocolate C	82	6	85
5	Sean	14-04-2023	05-12-2023	Customer	United State	Florida	23569	ID07355	13-Jan	East	Boston	Cookies	Chairs	12.3	Arrowroot	38	3	52.3
6	Brosina	15-05-2023	17-07-2023	Customer	United State	California	52369	ID07356	16-Jan	East	Boston	Bars	Storage	512.3	Carrot	54	0.2	12.4
7	Brosina	14-05-2023	25-07-2023	Customer	United State	California	54879	ID07357	19-Jan	East	Boston	Crackers	Phones	12.32	Whole Whe	149	0	52.4
8	Brosina	12-04-2023	17-05-2023	Customer	United State	California	52368	ID07358	22-Jan	West	Los Ange	Bars	Art	12.56	Carrot	51	0	23.1
9	Brosina	12-09-2023	19-Apr	Customer	United State	California	85963	ID07359	25-Jan	East	New York	Bars	Belkim	85.12	Carrot	100	0	98.2
10	Brosina	14-Feb	23-01-2024	Customer	United State	California	45965	ID07360	28-Jan	East	New York	Snacks	Paper	45	Potato Chip	28	0.5	1.02
11	Brosina	15-08-2023	24-09-2023	Customer	United State	California	45698	ID07361	31-Jan	East	Boston	Cookies	Talbles	9.23	Arrowroot	36	5	42
12	Brosina	04-05-2023	04-08-2023	Customer	United State	California	23568	ID07362	3-Feb	East	Boston	Cookies	Paper	4.36	Chocolate C	31	6	89.1
13	Brosina	02-05-2023	12-08-2023	Customer	United State	California	89567	ID07363	6-Feb	East	Boston	Crackers	Chairs	2.23	Whole Whe	28	8	41.2
14	Irene	05-04-2023	04-12-2023	Customer	United State	Washingt	56987	ID07364	9-Feb	West	Los Ange	Bars	Bookcases	56.2	Carrot	44	9	12.3
15	Irene	04-07-2023	08-08-2023	Home Office	United State	Texas	45692	ID07365	12-Feb	East	New York	Bars	Binders	21.41	Carrot	23	7	78.6
16	Irene	01-02-2023	01-03-2023	Home Office	United State	Texas	12365	ID07366	15-Feb	East	New York	Snacks	Storage	22.42	Potato Chip	27	2	12.5
17	Pete	05-07-2023	12-05-2024	Customer	United State	Texas	98567	ID07367	18-Feb	East	Boston	Cookies	Storage	45.3	Arrowroot	43	3	43.6
18	Kate	04-May	19-12-2023	Customer	United State	Utah	54896	ID07368	21-Feb	East	Boston	Cookies	Binders	52	Oatmeal Ra	123	6	87.7
19	Andrew	07-08-2023	07-09-2023	Customer	United State	California	63256	ID07369	24-Feb	West	Los Ange	Bars	Storage	53.12	Brain	42	8	21.4
20	Zuschuss	04-09-2023	05-10-2023	Customer	United State	California	78945	ID07370	27-Feb	West	Los Ange	Cookies	Table	52.1	Oatmeal Ra	33	0	12.2
21	Zuschuss	04-02-2023	08-05-2023	Customer	United State	California	51264	ID07371	2-Mar	East	New York	Cookies	Furniture	65.23	Chocolate C	85	0.8	43.3
22	Ken	18-05-2023	28-09-2023	Corporate	United State	California	95684	ID07372	5-Mar	West	San Diego	Cookies	Bookcases	46.23	Oatmeal Ra	30	0	12.2
23	Sandra	24-10-2023	05-08-2024	Corporate	United State	California	45698	ID07373	8-Mar	East	Boston	Bars	Belkim	12.4	Carrot	61	0	41.3
24	Emily	19-04-2023	01-09-2023	Consumer	United State	Nebraska	45210	ID07374	11-Mar	East	Boston	Crackers	Art	85.96	Whole Whe	40	2	125
25	Emily	17-12-2023	01-12-2024	Cuonsumer	United State	Nebraska	13204	ID07375	14-Mar	West	Los Ange	Cookies	Art	45.2	Chocolate C	86	2	237

Q. What were the total sales of each category?

Row Labels	Sum of Sales
Bars	1014.31
Cookies	338.3
Crackers	125.81
Snacks	67.42
Grand Total	1545.84

Row	Customer	Order date	Shipped date	Segment	Country	State	Postal Code	ID	Date	Region	City	Category	Sub Category	Sales	Product	Qty	Discount	Profit
1	Claire	12-01-2023	13-02-2024	Customer	United States	Kentucky	45126	ID07351	1-Jan	East	Boston	Bars	Bookcases	261.2	Carrot	33	4	41.9463
2	Claire	12-02-2023	25-04-2023	Customer	United States	Kentucky	12456	ID07352	4-Jan	East	Boston	Crackers	Chairs	25.2	Whole Wheat	87	5	65.365
3	Darrin	12-03-2023	05-07-2023	Customer	United States	California	52136	ID07353	7-Jan	West	Los Angeles	Cookies	Chairs	1.12	Chocolate Chip	58	5	12.3654
4	Sean	11-03-2023	04-10-2023	Customer	United States	Florida	85982	ID07354	10-Jan	East	New York	Cookies	Bookcases	5.23	Chocolate Chip	82	6	85.0125
5	Sean	14-04-2023	05-12-2023	Customer	United States	Florida	23569	ID07355	13-Jan	East	Boston	Cookies	Chairs	12.1	Arrowroot	38	3	52.32
6	Brosina	15-05-2023	17-07-2023	Customer	United States	California	52389	ID07356	16-Jan	East	Boston	Bars	Storage	9.12	Carrot	54	0.2	12.36
7	Brosina	14-05-2023	25-07-2023	Customer	United States	California	54879	ID07357	19-Jan	East	Boston	Crackers	Phones	12.32	Whole Wheat	149	0	52.36
8	Brosina	12-04-2023	17-05-2023	Customer	United States	California	52368	ID07358	22-Jan	West	Los Angeles	Bars	Art	12.56	Carrot	51	0	23.05
9	Brosina	12-09-2023	19-Apr	Customer	United States	California	85963	ID07359	25-Jan	East	New York	Bars	Belkin	85.12	Carrot	100	0	98.235
10	Brosina	14-Feb	23-01-2024	Customer	United States	California	45953	ID07360	28-Jan	East	New York	Snacks	Paper	45	Potato Chips	28	0.5	1.023
11	Brosina	15-08-2023	24-09-2023	Customer	United States	California	45698	ID07361	31-Jan	East	Boston	Cookies	Tables	9.23	Arrowroot	36	5	42.013
12	Brosina	04-05-2023	04-08-2023	Customer	United States	California	23568	ID07362	3-Feb	East	Boston	Cookies	Paper	4.36	Chocolate Chip	31	6	89.12
13	Brosina	02-05-2023	12-08-2023	Customer	United States	California	89567	ID07363	6-Feb	East	Boston	Crackers	Chairs	2.23	Whole Wheat	28	8	41.21
14	Vreni	05-04-2023	04-12-2023	Customer	United States	Washington	55987	ID07364	9-Feb	West	Los Angeles	Bars	Bookcases	56.2	Carrot	44	9	12.32
15	Vreni	04-07-2023	08-08-2023	Home Office	United States	Texas	45682	ID07365	12-Feb	East	New York	Bars	Binders	21.43	Carrot	23	7	78.56
16	Vreni	01-02-2023	01-03-2023	Home Office	United States	Texas	12365	ID07366	15-Feb	East	New York	Snacks	Storage	22.42	Potato Chips	27	2	12.45
17	Pete	05-07-2023	12-05-2024	Customer	United States	Texas	98567	ID07367	18-Feb	East	Boston	Cookies	Storage	45.3	Arrowroot	43	3	43.56
18	Kate	04-May	19-12-2023	Customer	United States	Utah	54896	ID07368	21-Feb	East	Boston	Cookies	Binders	32	Oatmeal Raisin	123	6	87.69
19	Andrew	07-08-2023	07-09-2023	Customer	United States	California	83256	ID07369	24-Feb	West	Los Angeles	Bars	Storage	53.12	Bran	42	8	21.43
20	Zuschuss	04-09-2023	05-10-2023	Customer	United States	California	78945	ID07370	27-Feb	West	Los Angeles	Cookies	Table	52.1	Oatmeal Raisin	33	0	12.15
21	Zuschuss	04-02-2023	08-05-2023	Customer	United States	California	51264	ID07371	2-Mar	East	New York	Cookies	Furniture	65.23	Chocolate Chip	85	0.8	43.26
22	Ken	18-05-2023	28-09-2023	Corporate	United States	California	95684	ID07372	5-Mar	West	San Diego	Cookies	Bookcases	46.23	Oatmeal Raisin	30	0	12.15
23	Sandra	24-10-2023	05-08-2024	Corporate	United States	California	45698	ID07373	8-Mar	East	Boston	Bars	Belkin	12.4	Carrot	61	0	41.26
24	Emily	19-04-2023	01-09-2023	Consumer	United States	Nebraska	45210	ID07374	11-Mar	East	Boston	Crackers	Art	85.96	Whole Wheat	40	2	125.32
25	Emily	17-12-2023	01-12-2024	Consumer	United States	Nebraska	13204	ID07375	14-Mar	West	Los Angeles	Cookies	Art	45.2	Chocolate Chip	86	2	236.85

Q. Which subcategory of items sold the maximum under each category?

Row Labels	Sum of Qty
Bars	23
Binders	23
Cookies	123
Binders	123
Grand Total	146



Row ID	Customer	Order date	Shipped date	Segment	Country	State	Postal Code	ID	Date	Region	City	Category	Sub Category	Sales	Product	Qty	Amount	Profit
1	Clara	12-01-2023	12-02-2024	Customer	United States	Kentucky	40324	1007201	1-Jan	East	Boston	Bak	Biscuits	25.4	Carrot	81	4	41.466
2	Clara	12-03-2023	12-04-2023	Customer	United States	Massachu	12466	1007352	4-Jan	East	Boston	Crackers	Chairs	25.4	Whole Wheat	81	5	45.385
3	Clara	12-03-2023	05-07-2023	Customer	United States	California	92336	1007353	7-Jan	West	Los Angeles	Cookies	Chairs	1.12	Chocolate Chip	68	5	12.3854
4	Sean	14-08-2024	06-10-2024	Customer	United States	Florida	36582	1007354	10-Jan	East	New York	Cookies	Biscuits	5.43	Chocolate Chip	82	6	89.0124
5	Sean	14-04-2023	05-12-2023	Customer	United States	Florida	23559	1007355	13-Jan	East	Boston	Cookies	Chairs	12.3	Arrowroot	88	3	52.37
6	Benicia	15-05-2023	17-07-2023	Customer	United States	California	92389	1007356	16-Jan	East	Boston	Bak	Storage	512.3	Carrot	14	0.3	12.35
7	Benicia	14-05-2023	24-07-2023	Customer	United States	California	94872	1007357	19-Jan	East	Boston	Crackers	Phonics	12.34	Whole Wheat	109	14	52.36
8	Benicia	11-04-2023	17-09-2023	Customer	United States	California	92368	1007358	22-Jan	West	Los Angeles	Bak	Art	12.38	Carrot	15	0	23.45
9	Benicia	15-09-2023	19-09-2023	Customer	United States	California	89363	1007359	25-Jan	East	New York	Bak	Phonics	85.12	Carrot	100	0	28.251
10	Benicia	14-Feb	21-01-2024	Customer	United States	California	45365	1007360	28-Jan	East	New York	Snacks	Paper	45	Strawb Chips	28	0.3	1.023
11	Benicia	15-09-2023	24-09-2023	Customer	United States	California	45088	1007361	31-Jan	East	Boston	Cookies	Chairs	9.23	Arrowroot	86	5	12.021
12	Benicia	04-05-2023	04-08-2023	Customer	United States	California	23568	1007362	3-Feb	East	Boston	Cookies	Paper	4.36	Chocolate Chip	111	14	89.12
13	Benicia	02-05-2023	11-09-2023	Customer	United States	California	89367	1007363	5-Feb	East	Boston	Crackers	Chairs	7.23	Whole Wheat	28	8	41.21
14	Joan	06-04-2023	04-12-2023	Customer	United States	Washington	56887	1007364	8-Feb	West	Los Angeles	Bak	Biscuits	56.7	Carrot	84	3	12.34
15	Joan	04-07-2024	08-08-2024	Home Office	United States	Texas	45062	1007365	11-Feb	East	New York	Bak	Biscuits	21.41	Carrot	113	7	28.48
16	Joan	01-02-2023	01-03-2023	Home Office	United States	Texas	12385	1007366	13-Feb	East	New York	Snacks	Storage	22.42	Strawb Chips	27	2	12.43
17	Paula	05-07-2023	12-05-2024	Customer	United States	Texas	98367	1007367	15-Feb	East	Boston	Cookies	Storage	45.3	Arrowroot	43	3	43.46
18	Earl	04-Mar	19-12-2023	Customer	United States	Utah	54896	1007368	21-Feb	East	Boston	Cookies	Biscuits	52	Strawb Raisin	123	6	87.46
19	Andrew	07-08-2023	07-09-2023	Customer	United States	California	63256	1007369	24-Feb	West	Los Angeles	Bak	Storage	53.12	Rain	42	8	21.43
20	Elizabeth	06-09-2023	05-10-2023	Customer	United States	California	78345	1007370	27-Feb	West	Los Angeles	Cookies	Paper	52	Strawb Raisin	23	0	12.23
21	Elizabeth	06-09-2023	06-06-2023	Customer	United States	California	51364	1007371	2-Feb	East	New York	Cookies	Cardboard	46.23	Chocolate Chip	85	6.8	48.46
22	Ann	14-05-2023	26-02-2023	Corporate	United States	California	95884	1007372	5-Mar	West	San Diego	Cookies	Biscuits	46.23	Strawb Raisin	80	0	12.42
23	Sandra	24-10-2023	05-08-2024	Corporate	United States	California	45088	1007373	8-Mar	East	Boston	Bak	Biscuits	12.4	Carrot	61	0	41.36
24	Emily	18-04-2023	01-09-2023	Consumer	United States	Mississippi	45210	1007374	11-Mar	East	Boston	Crackers	Art	85.86	Whole Wheat	80	2	125.32
25	Emily	17-11-2023	01-11-2024	Consumer	United States	Mississippi	51206	1007375	14-Mar	East	Los Angeles	Cookies	Art	45.2	Chocolate Chip	86	1	236.81

Q: What were the top 5 States from each region that made the highest averag highest average point?

Row Lz Average of Profit

East 87.29

West 47.59

12.32

Grand 61.88

Row ID	Customer	Order date	Shipped date	Salesperson	Country	State	Postal Code	ID	Date	Region	City	Category	Sub Category	Sales	Product	Qty	Discount	Profit
1	France	11-09-2021	11-09-2021	Customer	United States	Kentucky	40102	1007251	9-Mar	East	Boston	Biscuits	Butter	160.1	Caramel	21	0	45.9624
2	China	12-02-2021	01-06-2021	Customer	United States	Kentucky	41066	1007152	4-Jan	East	Boston	Crackers	Chips	25.3	Whole Wheat	87	0	45.391
3	Spain	14-06-2021	06-07-2021	Customer	United States	California	94045	1007251	1-Jun	West	Los Angeles	Cookies	Pastry	1.94	Chocolate Chip	20	0	45.2624
4	Spain	14-06-2021	06-06-2021	Customer	United States	Florida	32963	1007256	16-Jun	East	New York	Cookies	Biscuits	5.74	Chocolate Chip	84	0	46.0524
5	Spain	14-04-2021	05-11-2021	Customer	United States	Florida	21509	1007255	13-Jan	East	Boston	Cookies	Chips	12.3	Almond	35	0	52.47
6	Spain	14-06-2021	11-07-2021	Customer	United States	California	94045	1007256	16-Jun	East	Boston	Biscuits	Macaron	16	0	41.36		
7	France	14-05-2021	25-07-2021	Customer	United States	California	54079	1007257	19-Jan	East	Boston	Crackers	Phonies	12.32	Whole Wheat	145	0	52.85
8	France	11-09-2021	11-09-2021	Customer	United States	California	91108	1007258	17-Jan	West	Los Angeles	Biscuits	Art	13.52	Caramel	35	0	23.62
9	France	12-09-2021	19-Aug	Customer	United States	California	81061	1007259	19-Jan	East	New York	Biscuits	Pastry	85.42	Caramel	100	0	98.224
10	France	14-Jun	21-05-2021	Customer	United States	California	49763	1007260	19-Jan	East	New York	Cookies	Pastry	45	Pastry Chips	30	0.3	1.071
11	France	15-08-2021	24-08-2021	Customer	United States	California	48188	1007261	11-Jan	East	Boston	Cookies	Tablets	6.11	Almond	88	5	43.031
12	France	09-05-2021	14-08-2021	Customer	United States	California	21504	1007262	3-Jun	East	Boston	Cookies	Pastry	6.18	Chocolate Chip	31	0	40.54
13	France	02-05-2021	12-04-2021	Customer	United States	California	89767	1007263	6-Jul	East	Boston	Crackers	Chips	7.11	Whole Wheat	28	0	41.21
14	France	05-06-2021	08-12-2021	Customer	United States	Wyoming	82087	1007264	9-Jun	West	Los Angeles	Biscuits	Butter	90.1	Caramel	40	0	12.32
15	France	06-07-2021	08-08-2021	System Office	United States	Texas	48102	1007265	12-Jul	East	New York	Biscuits	Butter	21.81	Caramel	21	0	38.58
16	France	11-06-2021	18-08-2021	System Office	United States	Texas	11783	1007266	18-Jul	East	New York	Cookies	Butter	22.84	Pastry Chips	17	2	4.462
17	France	09-07-2021	11-05-2021	Customer	United States	Texas	89183	1007267	18-Jul	East	Boston	Cookies	Butter	45.3	Almond	41	0	48.51
18	Spain	10-May	10-12-2021	Customer	United States	Idaho	54006	1007268	24-Jul	East	Boston	Cookies	Butter	34	Almond Raisin	124	0	47.84
19	France	17-08-2021	17-08-2021	Customer	United States	California	91101	1007269	19-Jul	West	Los Angeles	Biscuits	Butter	53.12	Caramel	45	0	37.42
20	France	04-06-2021	06-10-2021	Customer	United States	California	76045	1007270	17-Jul	West	Los Angeles	Cookies	Tablet	54.1	Almond Raisin	34	0	14.24
21	France	04-05-2021	06-05-2021	Customer	United States	California	15164	1007271	7-Mar	East	New York	Cookies	Macaron	45.23	Chocolate Chip	30	0.3	43.25
22	Spain	18-05-2021	28-08-2021	Corporate	United States	California	95084	1007272	5-Mar	West	San Diego	Cookies	Biscuits	46.23	Almond Raisin	30	0	12.15
23	France	14-10-2021	01-08-2021	Corporate	United States	California	45088	1007273	8-Mar	East	Boston	Biscuits	Butter	14.2	Caramel	30	0	42.26
24	France	19-04-2021	01-05-2021	Customer	United States	Nevada	45243	1007274	11-Mar	East	Boston	Crackers	Art	45.86	Whole Wheat	40	2	126.21
25	France	11-12-2021	01-12-2021	Customer	United States	Nevada	11266	1007275	14-Mar	West	Los Angeles	Cookies	Art	46.1	Chocolate Chip	40	2	236.31

Row Labels	Sum of Sales
Biscuits	65.82%
Art	0.82%
Butter	6.33%
Biscuits	3.39%
Rockers	20.3%
Storage	16.18%
Cookies	71.88%
Art	1.92%
Binders	1.36%
Rockers	1.33%
Chairs	0.87%
Furniture	4.22%
Pastry	0.28%
Storage	2.93%
Tablet	1.37%
Tablets	0.60%
Art	5.56%
Chairs	1.79%
Phones	0.80%
Snacks	4.80%
Pastry	2.91%
Storage	1.45%
Grand Total	100.00%

Q: what is the percentage contribution of each subcategory of products under each category of the total sales.