1. The automobaile company manufactwie 150 scooters. The daily production various from 146 to 154

production per day	146,	147,	148	149,	150.
probability	0.04,	0.09,	0.12,	0.14,	0.11,

151,	152,	153,	154	
0.10,	0.20,	0.12,	0.08	

The finished scooteru transportor in lorry accordiny the capacity of 150 scooteru using the following random variable.

Random No 80, 81, 75, 75, 64, 43, 18, 26, 10, 12, 65, 68, 69, 61, 57,

i) Average No of scooter waiting in a factory

ii) Average space average empty space in a lorry.

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S.No	Production per day	Probability	Cumulative probability	Tag Numbers
1	146	0.04	0.04	00 - 03
2	147	0.09	0.13	04 - 12
3	148	0.12	0.25	13 - 24

4	149	0.14	0.39	25 - 38
5	150	0.11	0.50	39 - 49
6	151	0.10	0.60	50 - 59
7	152	0.20	0.80	60 - 79
8	153	0.12	0.92	80 - 91
9	154	0.08	1.00	92 - 99

S.No	Random No	Production	Capacity 150 Waiting Line	Capacity 150 Empty space
1	80	153	3	-
2	81	153	3	-
3	75	152	2	-
4	75	152	2	-
5	64	152	2	-
6	43	150	-	-
7	18	148	-	2
8	26	149	-	1
9	10	147	-	3
10	12	147	-	3
11	65	152	2	-
12	68	152	2	-
13	69	152	2	-
14	61	152	2	-
15	57	151	1	-

Average capacity Waiting line $21/15 = 1.4$ 21

Empty space $9/15 = 0.6$ 9

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