(a)

Xi	Fi	Fi	ni	Ni
2	4	4	0.0769	0.0769
3	14	18	0.2692	0.3461
4	18	36	0.3461	0.6922
5	8	44	0.1538	0.846
6	6	50	0.1153	0.9613
7	2	52	0.0384	0.9997
	52		1	

ni %	Ni %
7.69%	7.69%
26.92%	34.61%
34.61%	69.22%
15.38%	84.6%
11.53%	96.13%
3.84%	99.9
100%	100%

(b)

X_i	f_i	F_i	n_i	N_i
20	5	5	0.1785	0.1785
21	3	8	0.1071	0.2856
22	4	12	0.1428	0.4284
24	3	15	0.1071	0.5355
25	2	17	0.0714	0.6069
26	3	20	0.1071	0.714
28	1	21	0.0357	0.7497
30	4	25	0.1428	0.8925
31	2	27	0.0714	0.9639
32	1	28	0.0357	0.9996
	28			

n_i %

17.85% 3.57%

10.71% 14.28%

14.28% 7.14%

10.71% 3.57%

7.14% 100%

10.71%

N_i %

17.85% 74.97%

28.56% 89.25%

42.84% 96.39%

53.55% 99.96%

60.69% 100%

71.4%

(C)

Xi	fi	Fi	ni	Ni
10	4	4	0.1333	0.1333
11	5	9	0.1666	0.2999
12	2	11	0.0666	0.3665
13	2	13	0.0666	0.4331
14	3	16	0.1	0.5331
15	2	18	0.0666	0.5997
16	3	21	0.1	0.6997
17	3	24	0.1	0.7997
18	4	28	0.1333	0.933
19	2	30	0.0666	0.9996
	30			

ni %		Ni %	
13.33%	10%	13.33%	69.97%
16.66%	10%	29.99%	79.97%
6.66%	13.33%	36.65%	93.3%
6.66%	6.66%	43.31%	99.96%
10%	100%	53.31%	100%
6.66%		59.97%	