1. Find the median of the distribution given in the following table:

Value	1	2	3	4	5	6	7	8	9
Frequency	16	20	22	32	40	50	30	18	12

2. Lets create a scenario for analysis based on Hospital Management system. Answer the following querries.
   a. In district X, there are 600 nurses and 200 clinics. What is the ratio of nurses to clinics in that distric? Yyfy6 v vvuuuuuuuuuuuyyuuvvvvv
      0
   b. In 2009, Mondello Clinic had 31,155 patients on ART. During that same time period, 1,536 ART
      clients died. Calculate the mortality rate.
3. Usually, 25% of the candidates who appear f/or interview for the post of assistants in the nationalized bank are selected for recruitment. If 25 candidates who are going to appear for interview are randomly selected, find the probability that:
   Exactly 12 will be rejected.
   Fewer than 3 will be rejected.
4. Find the standard deviation of the following distribution:
   Marks   5 15 25 35 45 55
   Frequency   10 20 30 50 40 30
5. Find the mean of the distribution given in the following table:

Value	1	2	3	4	5	6	7
Frequency	16	20	22	38	40	40	25

6. The ages of residents of an old-age home has distribution as given in the following table. Find the mode of the distribution.

Age	Frequency
47-52	4
52-57	9
57-62	13
62-67	42
67-72	39
72-77	20
77-82	9

7. In a deck of 52 playing cards, what is the probability of drawing a red card?
8. Usually, 25% of the candidates who appear for interview for the post of assistants in the nationalized bank are selected for recruitment. If 25 candidates who are going to appear for interview are randomly selected, find the probability that:
   a. Exactly 12 will be rejected.
   b. Fewer than 3 will be rejected.