

9 $x < 3$ $y > 5$ 9) Shade the region satisfying the inequities $x < 2$ and $y > -3$ in a Cartesian plane.

10 information on the mass of goods exchanged by a courier service is given in the following frequency distribution .

mass (g)	mid value	frequency
100 - 102		20
102 - 104		12
104 - 106		25
106 - 108		8
108 - 110		13
110 - 112		14

- Complete the mid value column.
- Calculate the mean mass of exchanged goods.
- if Rs 3 is charged for a 1 gram of exchanged goods by the courier service , find the mean income that the company can expect.

11 A frequency distribution containing information on the number of telecasting hours of several educational programs of a certain television channel is given below. i

telecasting time (minutes)	number of programs
20-30	4
30-40	5
40-50	6
50-60	2
60-70	3
70-80	1
80-90	2
90-100	3
100-110	4

- What is the modal class of this distribution.
- Find the mean telecasting time by taking the mid value of the class interval 60-70 as the assumed mean.