Finding the mean from frequency tables

(1) The frequency table below shows the number of weeks a song stays at number one in the charts.

Weeks	Frequency	F x W
1	8	
2	9	
3	7	
4	6	
5	4	
6	2	

(i) Find the mean number of weeks a song spends at number 1
(ii) Draw a Pie chart to represent the information

(2) The table below shows the length of people's feet in a survey (in cm)

Length in cm	Frequency	F x M
$15 \leq l < 20$	120	
$20 \leq l < 25$	80	
$25 \leq l < 30$	90	
$30 \leq l < 40$	70	

(i) Find and estimate for the mean for the length of someone's foot
(ii) Draw a Pie chart to represent the information
(iii) Draw a Frequency Polygon to represent the information
(iv) Find the probability that if someone is chosen from random their (i) feet are less than 25cm long and (ii) feet at more than 40cm long.
(v) State why it's an estimated mean

(3) The frequency tables below shows the temperatures recorded in an office. (In degrees C)

Temperature	Frequency	F x M
$0 \leq t < 5$	40	
$5 \leq t < 15$	30	
$15 \leq t < 20$	10	
$20 \leq t < 40$	10	

(i) Find and estimate for the mean temperature of the office.
(ii) Draw a Pie chart to represent the information
(iii) Draw a Frequency Polygon to represent the information
(v) Find (a) the maximum and (b) the minimum possible range of temperatures

(4) The frequency table below shows the number of pizzas delivered a night over a period of 45 days at a local pizza outlet.

# of pizzas	Frequency	F x P
1	3	
2	6	
3	15	
4	16	
5	5	

(i) Find the mean number of pizzas delivered per evening
(ii) Draw a Pie chart to represent the information