Finding the mean and estimated mean from frequency tables

(1) The frequency table below shows the number of goals scored per game for a local football team

Goals per game	Frequency	F x G
0	3	
1	5	
2	4	
3	2	
4	1	
5	2	

(i) Find the mean number of goals scored per game.
(ii) Draw a Pie chart to represent the information

(2) The table below shows the time taken (in minutes) for people to walk to school

Time	Frequency	F x M
$0 \le t < 4$	10	
$4 \le t < 7$	12	
$7 \le t < 11$	8	
$11 \le t < 15$	15	

(i) Find and estimate for the mean time taken to walk to school
(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 they take (i) less than 4 minutes to walk to school and (ii) less than 7 minutes.

(3) The frequency tables below shows the ages (in years) of members of a social club

Age	Frequency	F x M
$10 \le a < 20$	20	
$20 \le a < 30$	10	
$30 \le a < 50$	12	
$50 \le a < 70$	16	

(i) Find and estimate for the mean age of members
(ii) Draw a Pie chart to represent the information
(iii) Draw a Frequency Polygon to represent the information

(4) The frequency table below shows the number of people who attended a detention Monday detention club for in a year.

# of students	Frequency	F x N
0	13	
1	7	
2	8	
3	5	
4	2	
5	2	
6	0	
7	1	

(i) Find the mean number of pupils in detention for
(ii) Draw a Pie chart to represent the information

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