90 people each exercised for 30 minutes. Each person's recovery time was measured. The results are summarised in this table.

Recovery time (m minutes)	Number of people
0 < m ≤ 4	2
4 < m ≤ 8	7
8 < m ≤ 12	29
12 < m ≤ 16	26
16 < m ≤ 20	16
20 < m ≤ 24	10

Midd. fxM

x 2 = 4
x 6 = 42
x 10 = 290
x 14 = 364
x 18 = 288
x 22 = 220
1208

90

Calculate an estimate of the mean recovery time.

1208 ÷ 90
= 13·422222....
= 13·4$\dot{2}$

_____13·4$\dot{2}$_____ minutes (4)

Write down the modal class.

_____ 8 < m ≤ 12 _____ (1)

Caleb measured the heights of 30 plants. The table gives some information about the heights, h cm, of the plants.

Height (h cm) of plants	Frequency	Mid		$f \times M$
$0 < h \leq 10$	2	$\times$ 5	$=$	10
$10 < h \leq 20$	8	$\times$ 15	$=$	120
$20 < h \leq 30$	9	$\times$ 25	$=$	225
$30 < h \leq 40$	7	$\times$ 35	$=$	245
$40 < h \leq 50$	4	$\times$ 45	$=$	180
	30			780

Work out an estimate for the mean height of the plants.

$$780 \div 30$$
$$= 26 cm$$

(4)

In which class interval does the median lie?

$$20 < h \leq 30$$

(1)

The table shows some information about the weight, in grams of 60 eggs.

Weight (*w* grams) of plants	Frequency	Mid		
0 < w ≤ 30	0	× 15	=	0
30 < w ≤ 50	14	× 40	=	560
50 < w ≤ 60	16	× 55	=	880
60 < w ≤ 70	21	× 65	=	1365
70 < w ≤ 100	9	× 85	=	765
	60			3570

Calculate an estimate for the mean weight of an egg.

$= 3570 \div 60 = 59.5g$

(4)