1 Sandeep sat 11 tests in January 2020
   Each test was marked out of 60

   Here are his test results.

   45   41   35   44   38   47   47   39   37   43   42

   (a) Find the interquartile range of these test results.
       Show your working clearly.

   ....

   (3)

   Sandeep also sat some tests in May 2020
   Each test was marked out of 60

   The median of the May 2020 test results is 42
   The interquartile range of the May 2020 test results is 12

   (b) In which month, January or May, were Sandeep's test results more consistent?
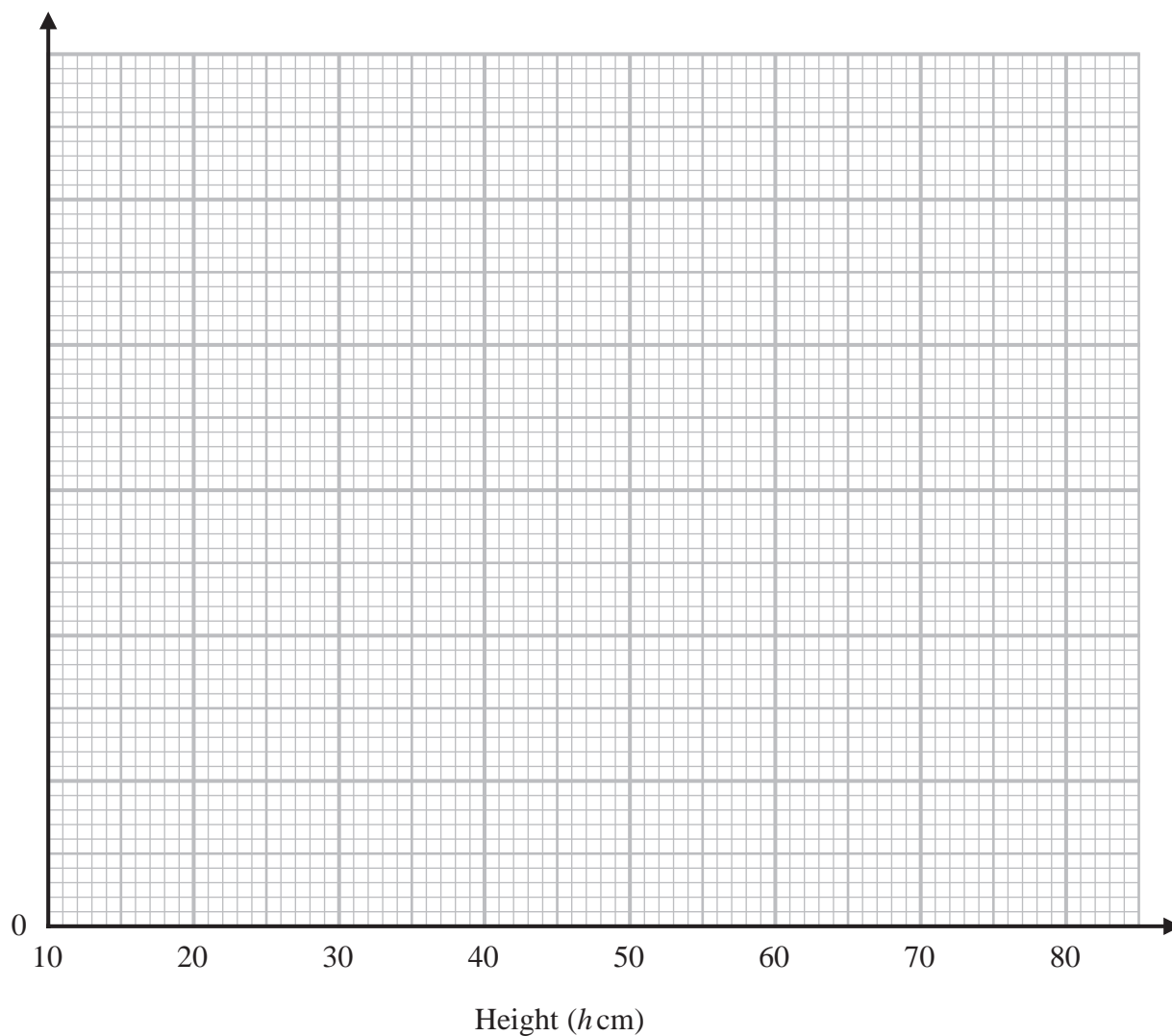   Give a reason for your answer.

   ....

   ....

   (1)

   (Total for Question 1 is 4 marks)

2 The table gives information about the heights, in centimetres, of some plants.

Height (h cm)	Frequency
$10 < h \leqslant 20$	35
$20 < h \leqslant 35$	45
$35 < h \leqslant 50$	75
$50 < h \leqslant 70$	40
$70 < h \leqslant 80$	8

(a) On the grid, draw a histogram for this information.

Height (h cm)

(3)

(b) Work out an estimate for the number of these plants with a height greater than 40 cm.

....

(2)

(Total for Question 2 is 5 marks)

3 The table and histogram give information about the distance travelled, in order to get to work, by each person working in a large store.

Distance (*d* km)	Frequency
$0 \leqslant d < 10$	40
$10 \leqslant d < 15$	
$15 \leqslant d < 20$	
$20 \leqslant d < 30$	
$30 \leqslant d < 60$	30
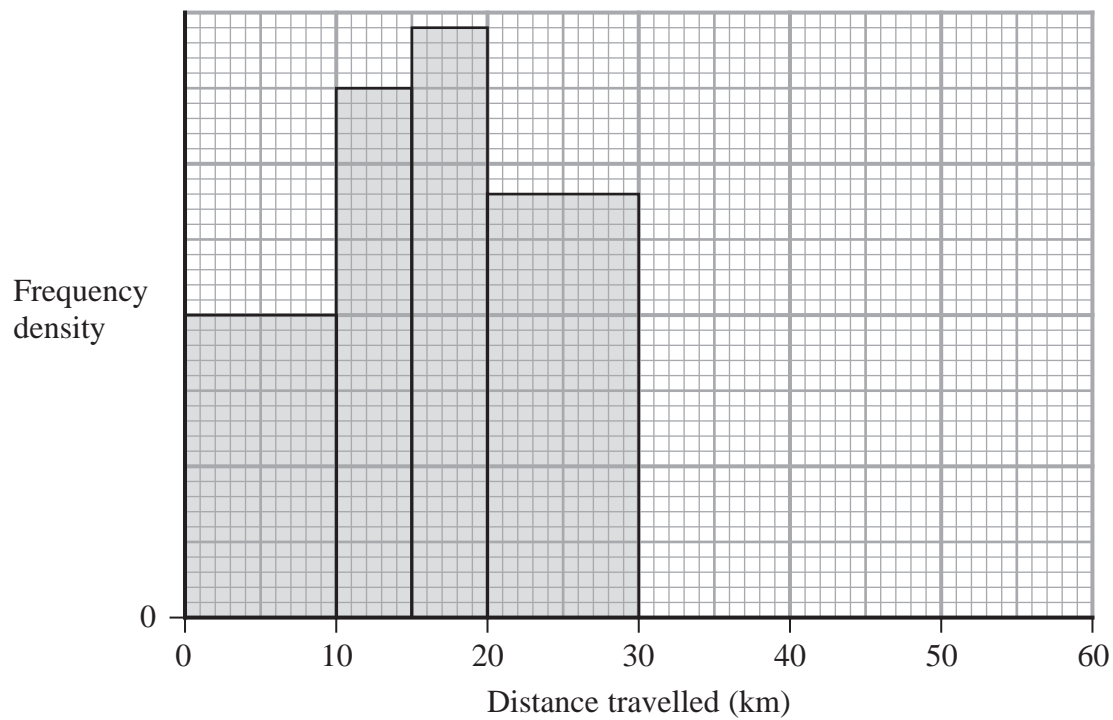
Using the information in the table and in the histogram,

(a) complete the table,

(2)

(b) complete the histogram.

(1)

One of the people working in the store is chosen at random.

(c) Work out an estimate for the probability that the distance travelled by this person, in order to get to work, was greater than 25 km.

....

(2)

(Total for Question 3 is 5 marks)