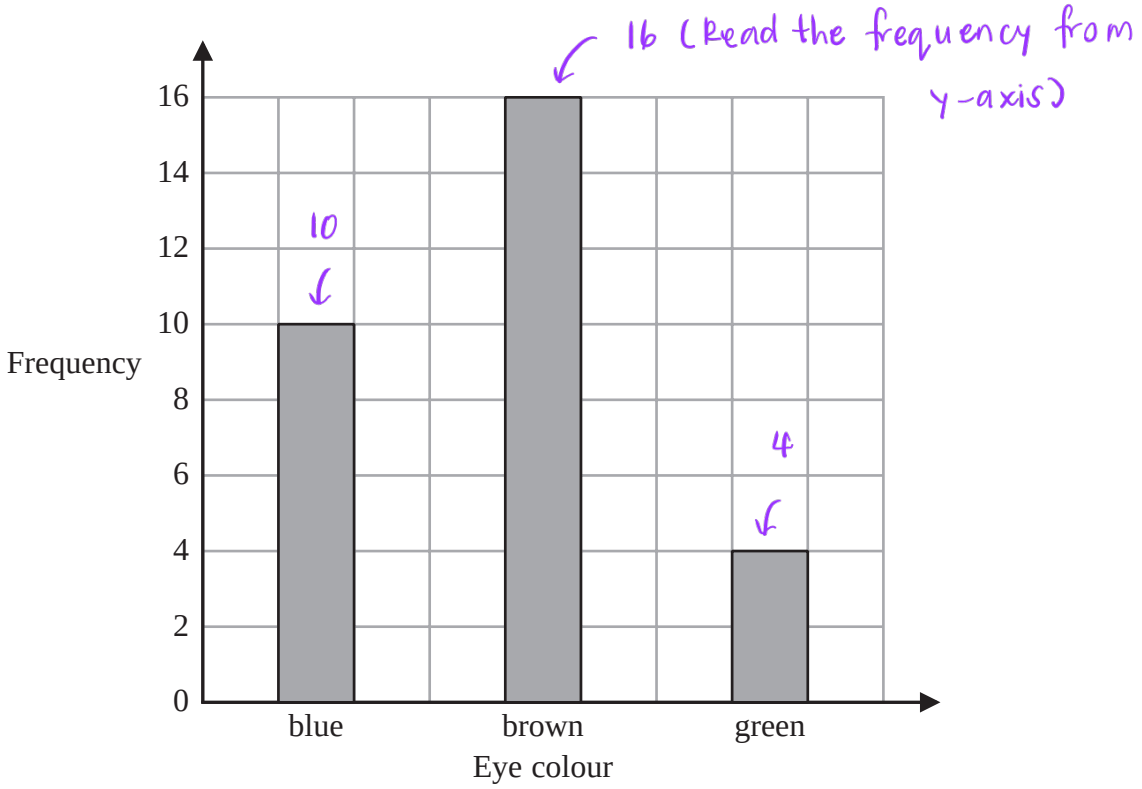
1 Grace recorded the eye colour of each of the students in her class.

The frequency table below shows her results.

Eye colour	Frequency
blue	10
brown	15
green	4

Grace then drew the bar chart below for this information.

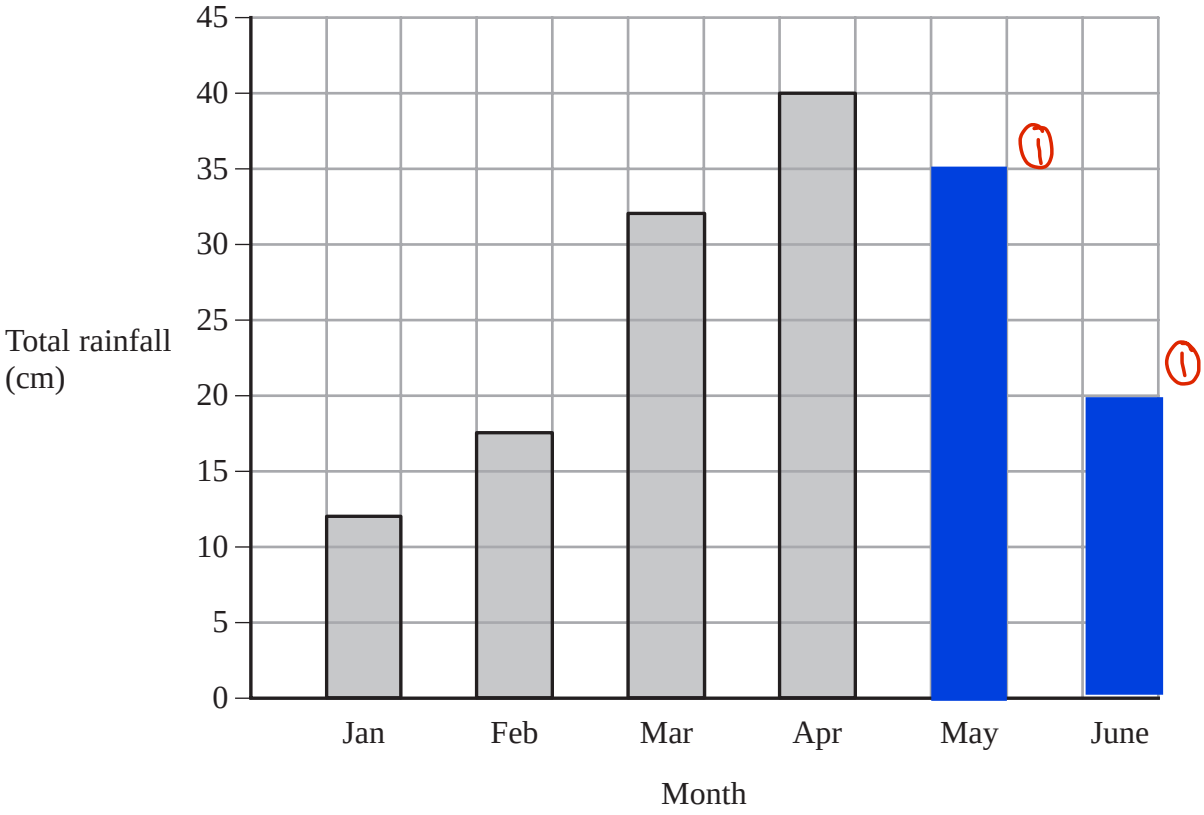


Write down one thing that is wrong with this bar chart.

Frequency of brown should be 15 instead of 16 on the bar chart. (1)

(Total for Question 1 is 1 mark)

2 The bar chart shows information about the total rainfall each month for four months in a city.



In May, the total rainfall was 35 cm.
In June, the total rainfall was 20 cm.

(a) Use this information to complete the bar chart.

Each square = 5cm
35 ÷ 5 = 7 squares
20 ÷ 5 = 4 squares

(2)

Rupa says,

"In February there was 15.5 cm of rainfall because the bar is half a square above 15"

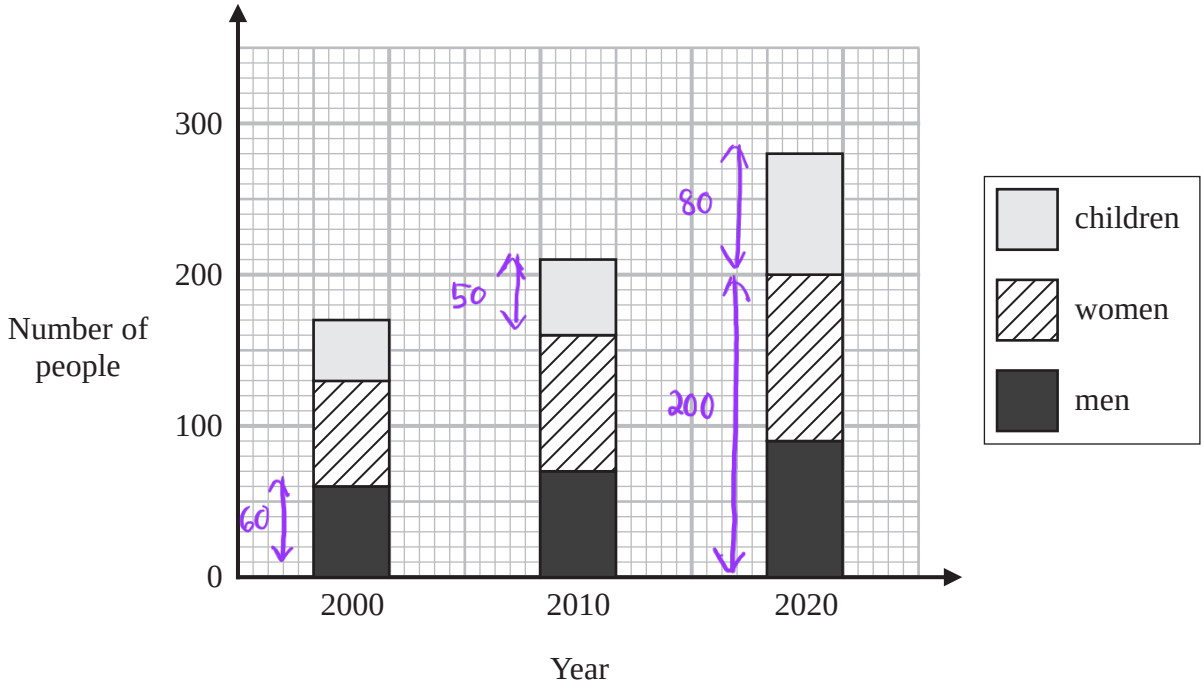
(b) Explain why Rupa is incorrect.

Each square is 5cm, so half a square is 2.5cm. (1)
15cm + 2.5cm = 17.5cm.

(1)

(Total for Question 2 is 3 marks)

3 The composite bar chart shows information about the number of people living in a village.



(a) Write down the number of men living in the village in the year 2000

(1) 60

(1)

(b) Find the number of children living in the village in the year 2010

210 − 160 = 50

(1) 50

(1)

For the people living in the village in the year 2020

(c) find the ratio of the number of children to the **total** number of men and women.

men + woman = 200

children = 80 (1)

children : men + woman

80 : 200

80 : 200 (1)

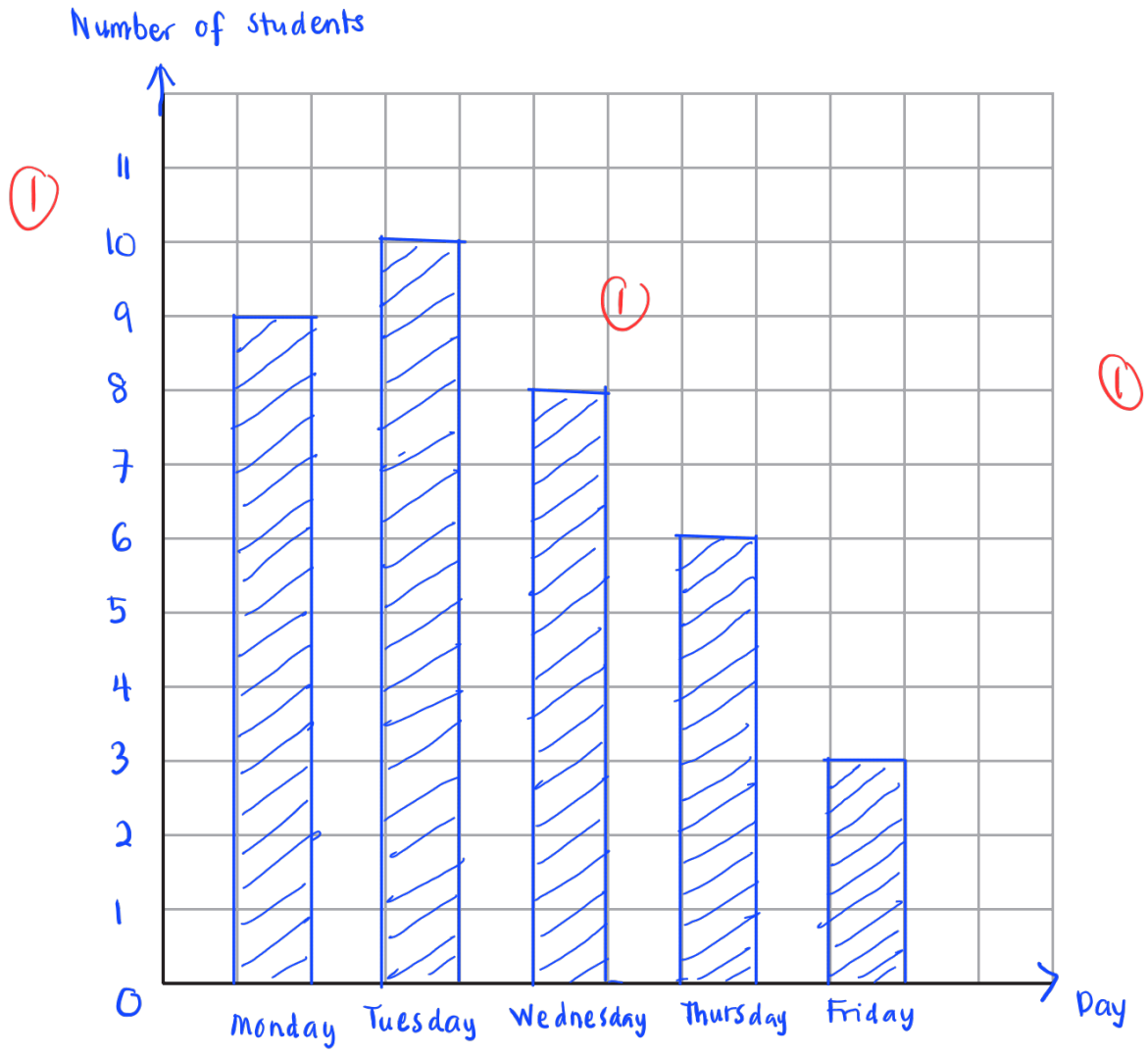
(2)

(Total for Question 3 is 4 marks)

4 The table shows information about the number of students who arrived late at school each day one week.

	Number of students
Monday	9
Tuesday	10
Wednesday	8
Thursday	6
Friday	3

On the grid, draw a bar chart for this information.



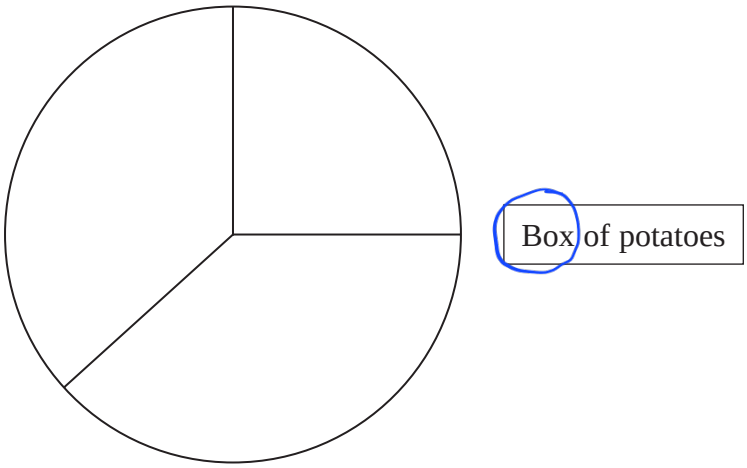
(Total for Question 4 is 3 marks)

5 There are three different types of potato in a box.

The table gives the number of each type of potato.

Type of potato	Number of potatoes
Jersey Royal	90
Charlotte	105
Maris Piper	105

Salim draws this pie chart for the information in the table.



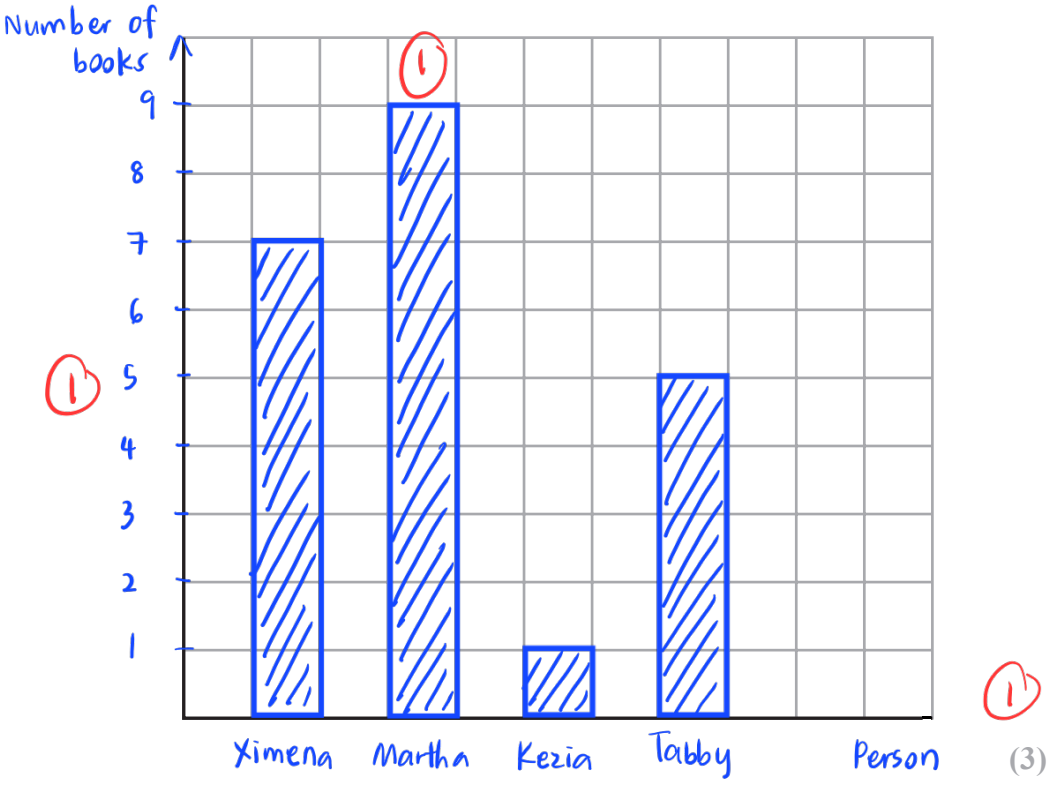
Write down two different things that are wrong or misleading with this pie chart.

1 Label in the table does not match label with the pie chart. (1)

2 Angles are drawn inaccurately (1)

(Total for Question 5 is 2 marks)

6 (c) On the grid, draw a bar chart to show the information in the table.

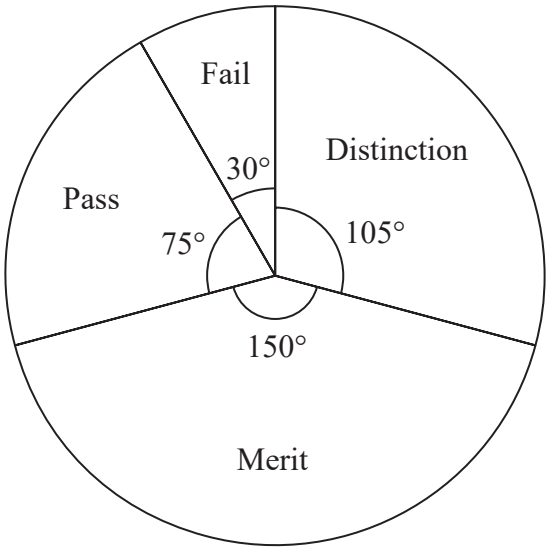


(3)

(Total for Question 6 is 3 marks)

7 Some students took a guitar exam.

The pie chart shows information about the grades the students got.



(a) Write down the modal grade.

highest percentage

Merit (1)

(1)

7 students got distinction.

(b) Work out the total number of students who took the guitar exam.

$105^\circ : 7$ (1)

$360^\circ : x$

$\frac{x}{7} = \frac{360^\circ}{105^\circ}$

$x = \frac{360^\circ}{105^\circ} \times 7 = 24$ (1)

24 (1)

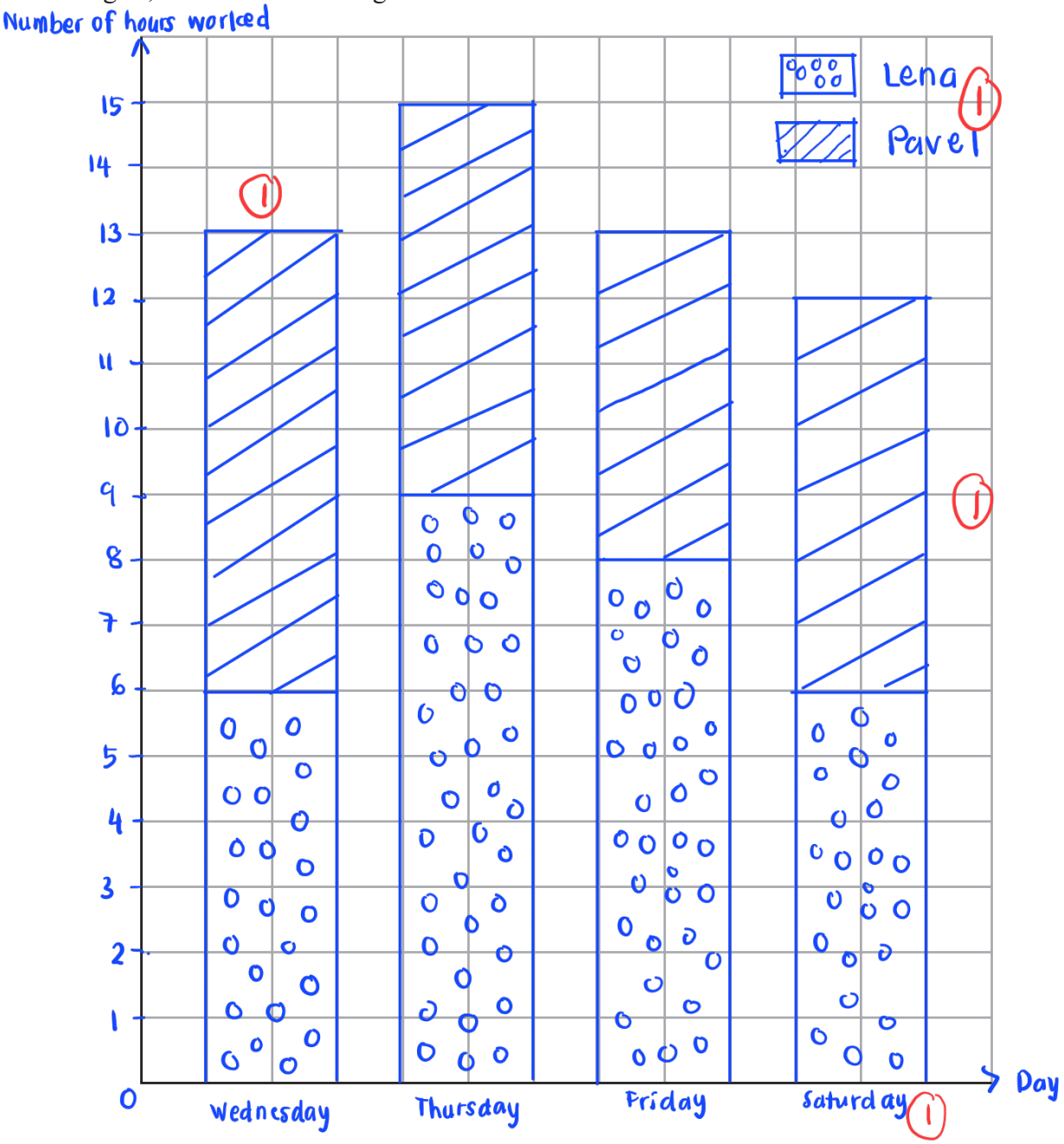
(3)

(Total for Question 7 is 4 marks)

8 The table shows the number of hours that Lena and Pavel worked on each of four days last week.

	Wednesday	Thursday	Friday	Saturday
Lena	6	9	8	6
Pavel	7	6	5	6

On the grid, draw a suitable diagram or chart for this information.



(Total for Question 8 is 4 marks)

9 The table gives information about the drinks people ordered in a cafe.

Drink	Number of people
Coffee	30
Hot chocolate	10
Tea	50

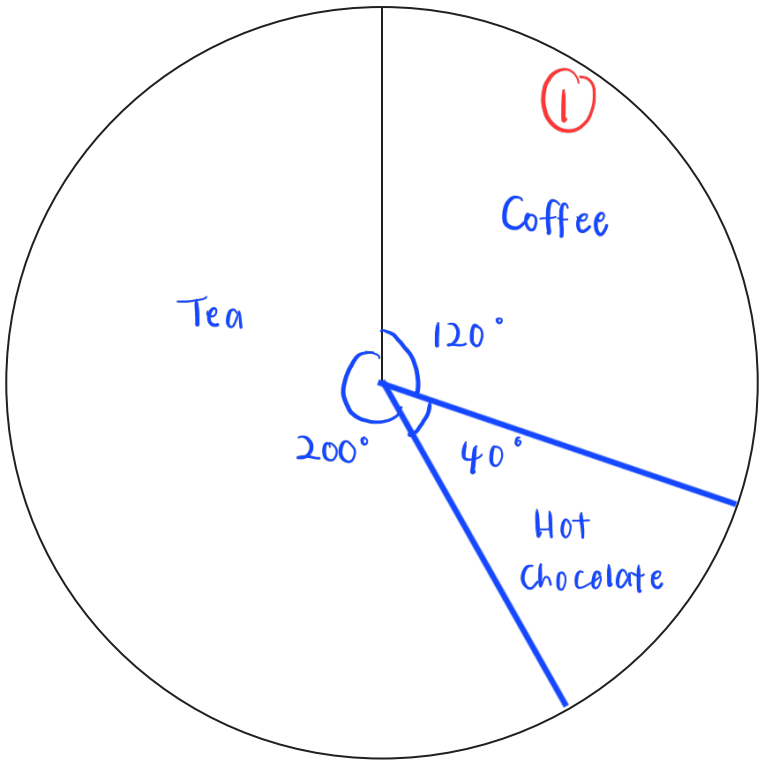
Draw an accurate pie chart for this information.

Total number of people : $50 + 10 + 30 = 90$

$\frac{30}{90} = \frac{1}{3} \times 360^\circ = 120^\circ$ (1)

$\frac{10}{90} = \frac{1}{9} \times 360^\circ = 40^\circ$

$\frac{50}{90} = \frac{5}{9} \times 360^\circ = 200^\circ$ (1)



(Total for Question 9 is 3 marks)