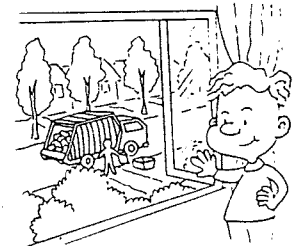
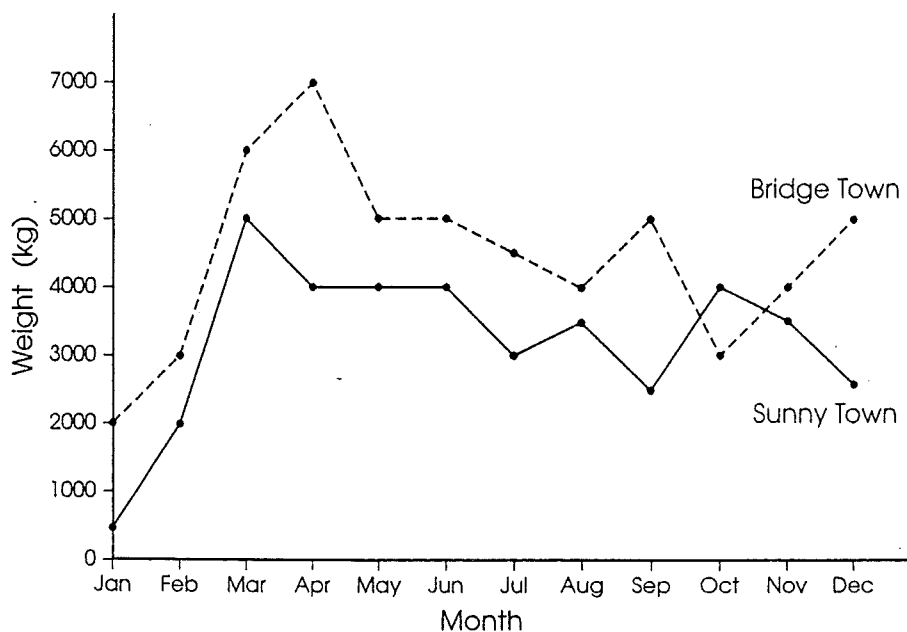


## WORDS TO LEARN

<b>Frequency</b>	- the number of times an event occurs within a period
<b>Frequency distribution</b>	- a table showing the frequency of different groups of data
<b>Circle graph</b>	- a graph using parts of a circle to show information about a whole
<b>Histogram</b>	- a bar graph using connected bars to show the frequency of occurrence of grouped data
<b>Broken-line graph</b>	- a graph made by joining successive plotted points

Look at the broken-line graph and answer the questions.

Weight of Collected Waste Paper



- How many more kilograms of waste paper were collected from Bridge Town than from Sunny Town in September? \_\_\_\_\_ kg
- How many more kilograms of waste paper were collected from Bridge Town in March than in August? \_\_\_\_\_ kg

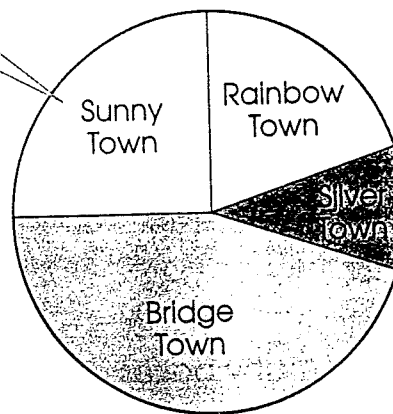
③ In which month was the greatest increase in the weight of waste paper collected from Sunny Town? \_\_\_\_\_

④ In which month was there the greatest difference in weight between the waste paper collected from Bridge Town and that from Sunny Town? \_\_\_\_\_

Use the circle graph and your protractor to find the percent of waste paper collected from different towns.

Percent of waste paper collected from Sunny Town =  $\frac{90^\circ}{360^\circ} \times 100\% = 25\%$

Waste Paper Collected



⑤ From Bridge Town : \_\_\_\_\_%

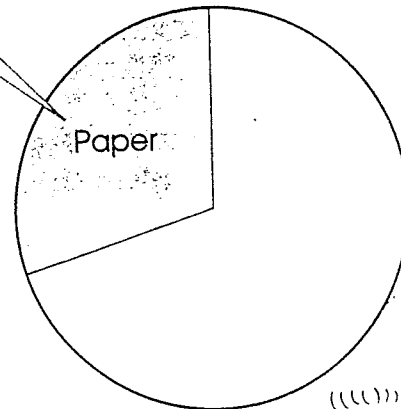
⑥ From Silver Town : \_\_\_\_\_%

⑦ From Rainbow Town : \_\_\_\_\_%

Follow Dave's method to find the size of angle for each item and complete the circle graph.

Paper for recycling = 30% of 360°  
 = 0.3 x 360°  
 = 108°

⑫ Items for Recycling

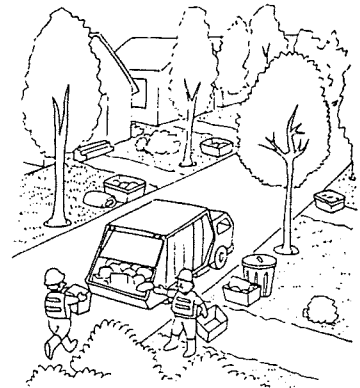
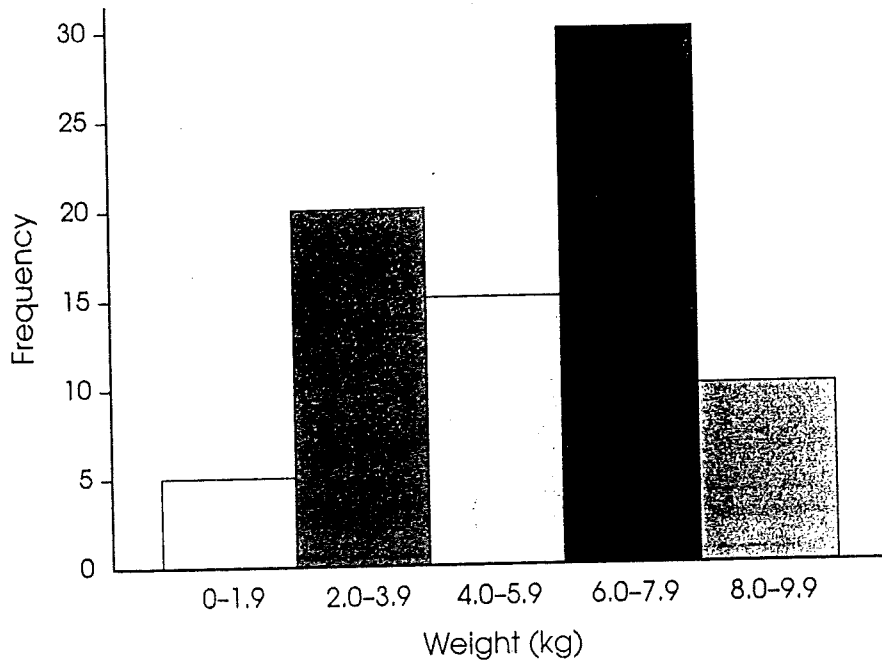


Items for Recycling	Percent	Angle
Paper	30%	108°
⑧ Glass	20%	
⑨ Plastic	25%	
⑩ Cans	15%	
⑪ Outside waste	10%	



Use the histogram to answer the questions.

Number of Boxes of Waste Paper Collected



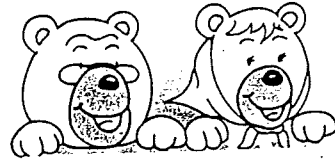
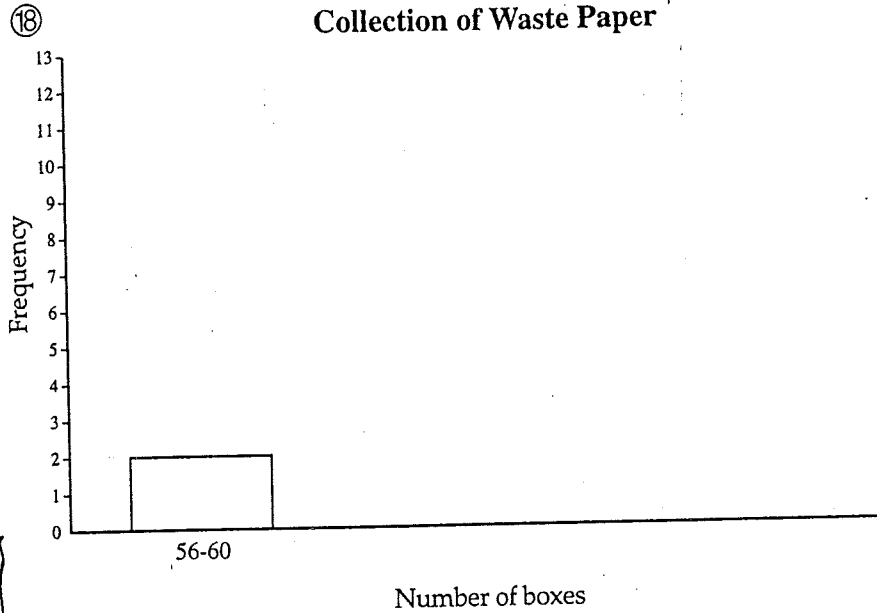
- ⑬ How many boxes of waste paper weighed between 6.0 and 7.9 kg? \_\_\_\_\_
- ⑭ How many boxes of waste paper weighed under 3.9 kg? \_\_\_\_\_
- ⑮ How many boxes of waste paper weighed over 8.0 kg? \_\_\_\_\_
- ⑯ How many boxes of waste paper were collected? \_\_\_\_\_

Tony recorded the number of boxes of waste paper collected weekly in his area. Use the data to complete the frequency distribution table and the histogram. Then answer the questions.

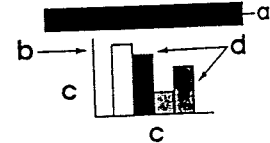
Number of boxes of waste paper collected weekly

68	77	61	80	71	70	78	56	78	75
62	67	73	77	80	79	69	78	75	66
70	80	59	80	72	65	77	68	79	79

⑰	Number of boxes	56-60	61-65	66-70	71-75	76-80
	Frequency	2				



To make a histogram:



- a: Give a title.
- b: Mark the scale.
- c: Label the axes.
- d: Draw connected bars with the same width.

- ⑲ What is shown on the vertical axis? \_\_\_\_\_
- ⑳ What is shown on the horizontal axis? \_\_\_\_\_
- ㉑ How long did Tony take to collect the data? \_\_\_\_\_ weeks



## ACTIVITY

Tick  the chart that shows different information from the other two.

