

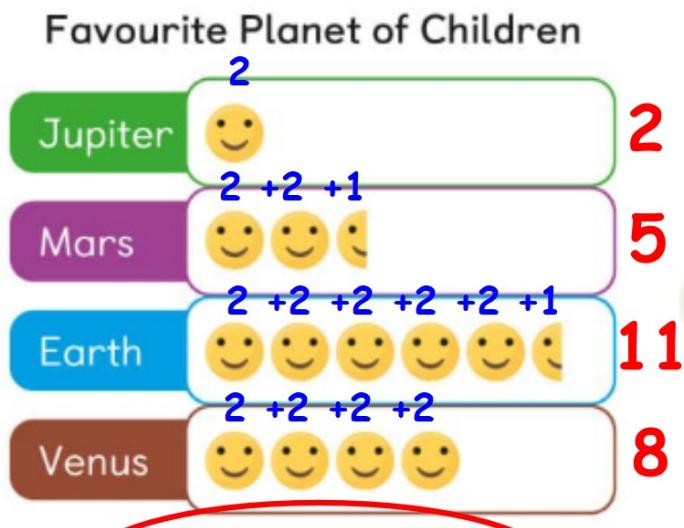
Look Back

Student's Book p. 165

The pictogram shows the favourite planets of a group of children.

a How many children are shown? **26** $2+5+11+8=26$

b Why is the key important? Discuss with your partner.



It tells us what each picture means.
Without the key, we will not be able to tell exactly how many children chose each planet.

How could we represent the data on a bar chart?



Thinking Cap

Student's Book p. 165



If each ☺ represents 10 or 20 children, discuss with your partner what changes and what does not change about the pictogram.



The symbol in the key is unchanged.

Favourite Planet of Children

	10 children	20 children
Jupiter	10	20
Mars	25	50
Earth	55	110
Venus	40	80

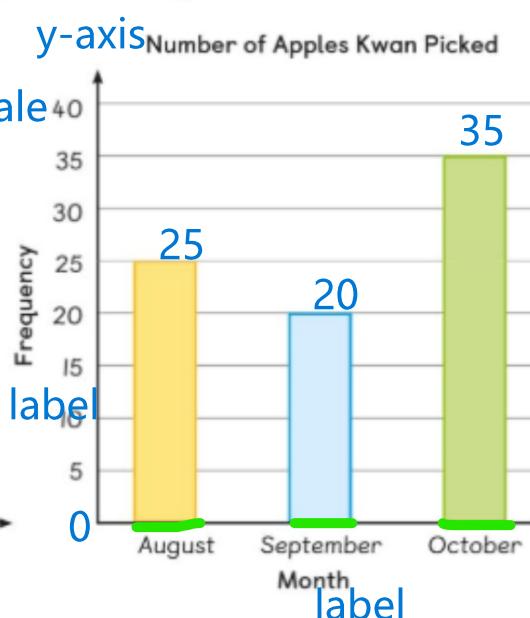
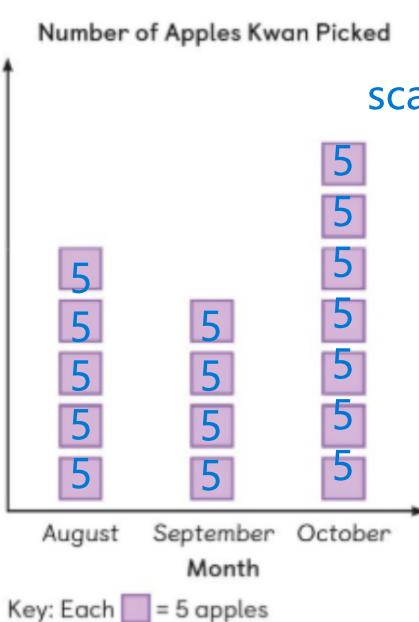
Key: Each ☺ = 2 children

Let's Learn

a The pictogram and bar chart show the number of apples Kwan picked over 3 months.

A bar chart shows the frequency of data using bars.

title



We should use a ruler when we draw the bars.

The width of the bars should be the same.

The spaces between the bars should be equal.

In the bar chart, the numbers on the vertical axis are in skip counts of 5.

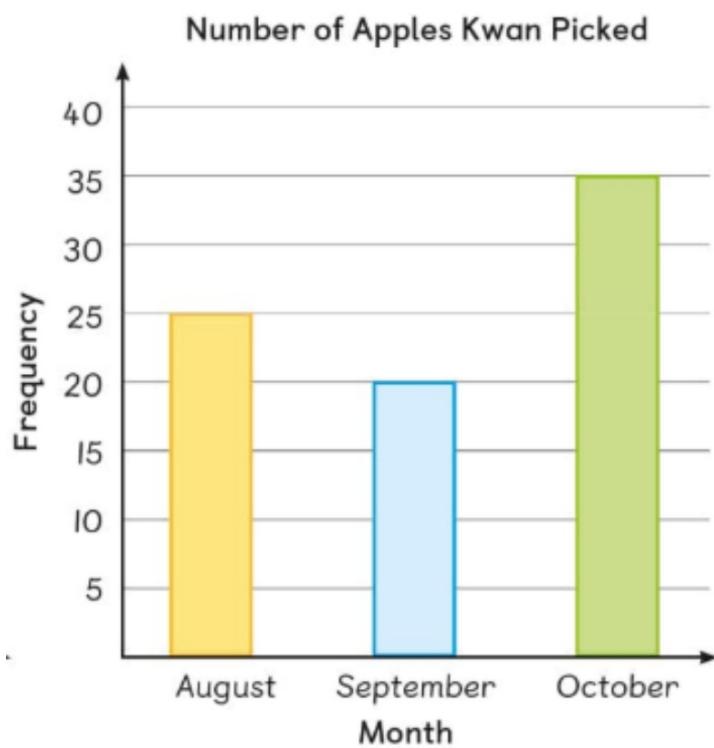
So, it has a **scale** of 5.



Critique what is the same and what is different when a different scale is used.



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b Kwan picked 20 apples in September.

5 more apples were sold in August than in September.

$25 - 20 = 5$
In total, Kwan picked 80 apples. difference (compare)
 $25 + 20 + 35 = 80$

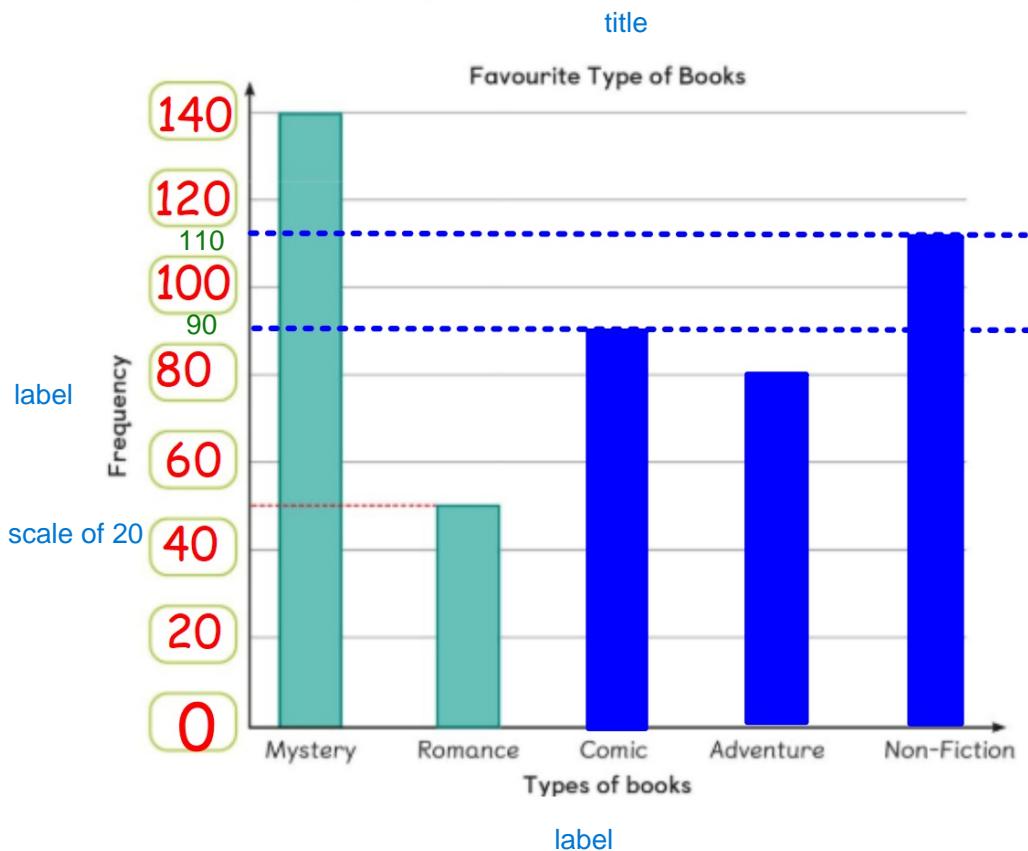
Let's Practise

Student's Book p. 167

1 The table shows the favourite types of books of 470 students.

Type of book	Mystery	Romance	Comic	Adventure	Non-fiction
Frequency	140	50	90	80	110

a Use a scale of 20 to complete the bar chart.



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Type of book	Mystery	Romance	Comic	Adventure	Non-fiction
Frequency	140	50	90	80	110

Mystery

b The most popular type of book is _____.

$110 - 90 =$

c _____ more students like non-fiction books than comic books.

difference (compare)

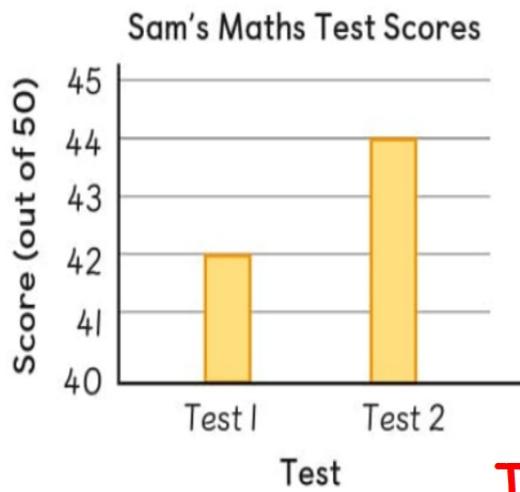
d The total number of students who like _____ and _____ books is equal to the number of students who like mystery books.

$140 = 90 + 50$

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2

The bar chart shows Sam's maths test scores in two tests.



Ellie thinks that Sam's maths scores have doubled.

Is she correct? **No**

Test 1 42

Test 2 44

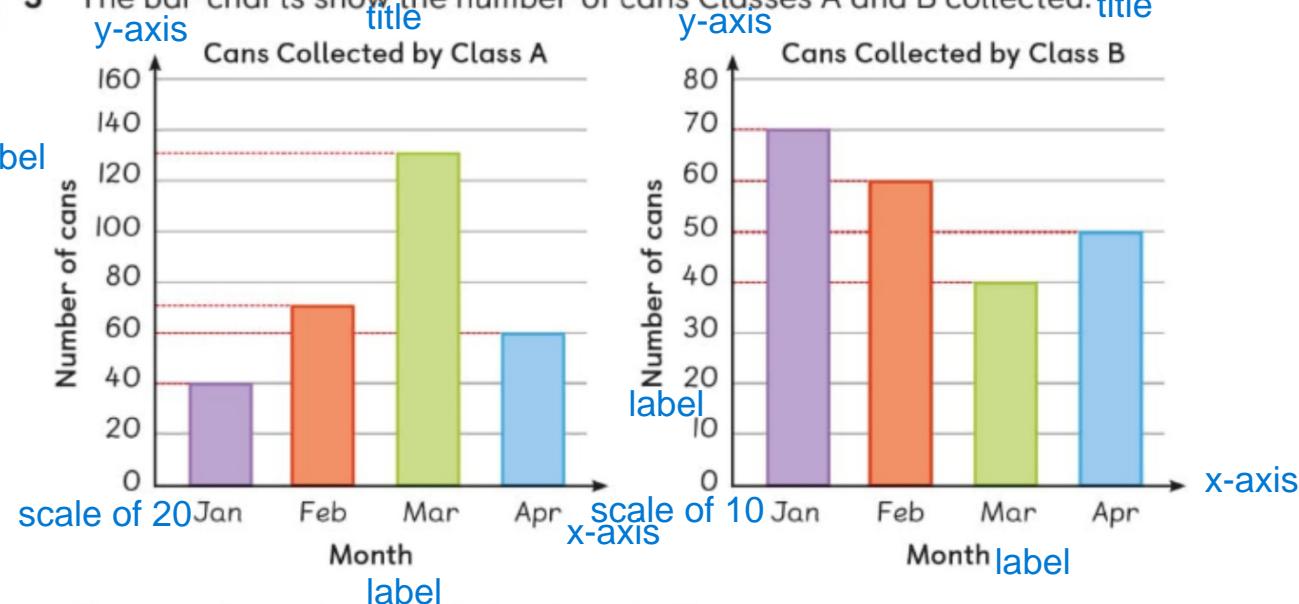
The difference is 2 not double

double 42 is 84

doubling is multiplying by 2 or adding the same number twice

Student's Book p. 168

3 The bar charts show the number of cans Classes A and B collected. title



Improve the statements below to make them true.

- a In April, Class B collected 10 more cans than Class A. *Class A collected 10 more than Class B*
- b Class B collected more cans because the bars are taller. *Class A collected more because the scale is doubled*
- c The number of cans collected by Class A in March is the same as the number of cans collected by Class B in February. *Class A 60 in April*
Class B 60 in February