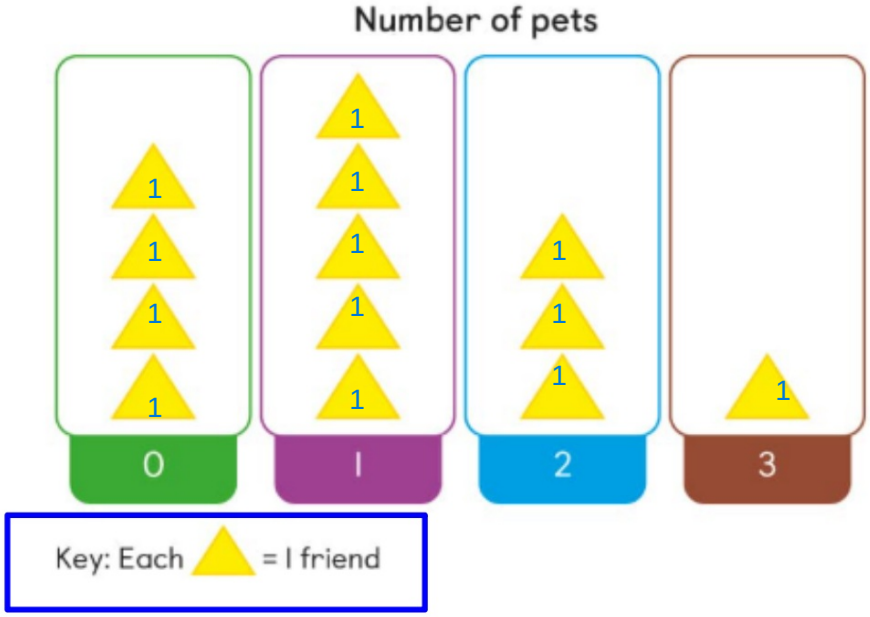
Look Back

Student's Book p. 169

Cathy asks her friends the number of pets they have at home. She draws a pictogram to display the data.



Do you think a pictogram was a good choice? Discuss with your partner.

A pictogram is a good choice because we can see the data clearly. However, it can take a long time to draw the pictures

Student's Book p. 169

Thinking Cap

How can we improve the way we show the data above so that it is easier to draw? Discuss with a partner.

We can use dots instead of pictures to represent the data.

Let's Learn

Student's Book p. 170

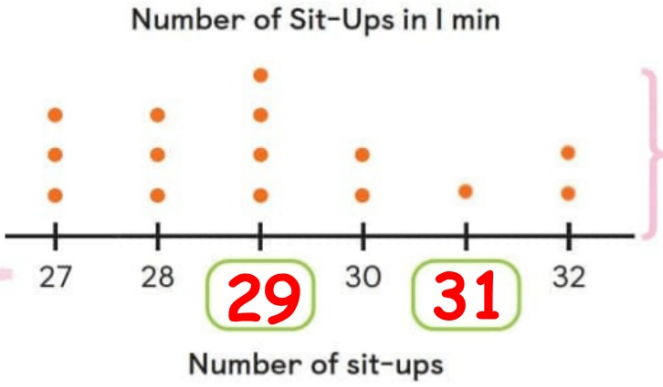
a Michael records the number of sit-ups his classmates complete in 1 min. How can you sort these values on a dot plot? Use dot stickers from page 249 to complete the dot plot below.

Number of Sit-Ups Completed in 1 Min				
29	31	28	29	28
28	27	29	30	32
30	27	32	27	29

each dot represents 1 classmate

Step 1: Find the smallest and greatest values.

Step 2: Draw a number line from the smallest to the greatest values.



Step 3: Put a dot above each number on the number line. Each value is shown by a dot and the dots are stacked.

Student's Book p. 170

b Each dot stands for 1 classmate.

The least number of sit-ups done in 1 min is 27.

Most students did 29 sit-ups in 1 min.

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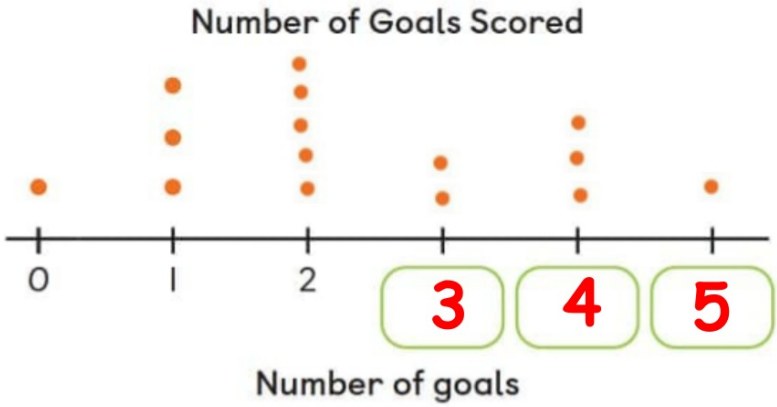
Let's Practise

each dot represents 1 soccer team

1 The table shows number of goals scored by a soccer team.
Use stickers from page 249 to complete the dot plot.

3	4	1	4	5
3	2	2	2	2
2	0	1	4	1



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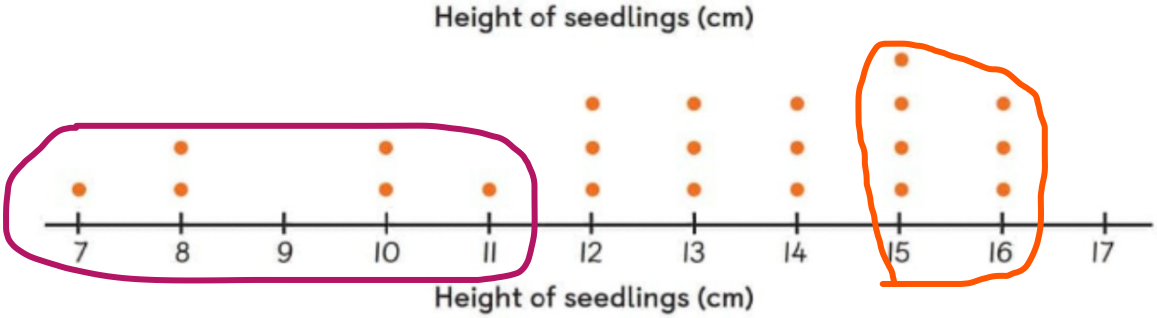
2 The dot plot below shows the heights of some seedlings measured to the nearest cm.



a What is the difference in height between the shortest and tallest seedlings? 16 - 7 = 9 cm

b How many seedlings have a height of at most 11 cm? 1 + 2 + 2 + 1 = 6

c How many seedlings have a height of more than 14 cm? 4 + 3 = 7