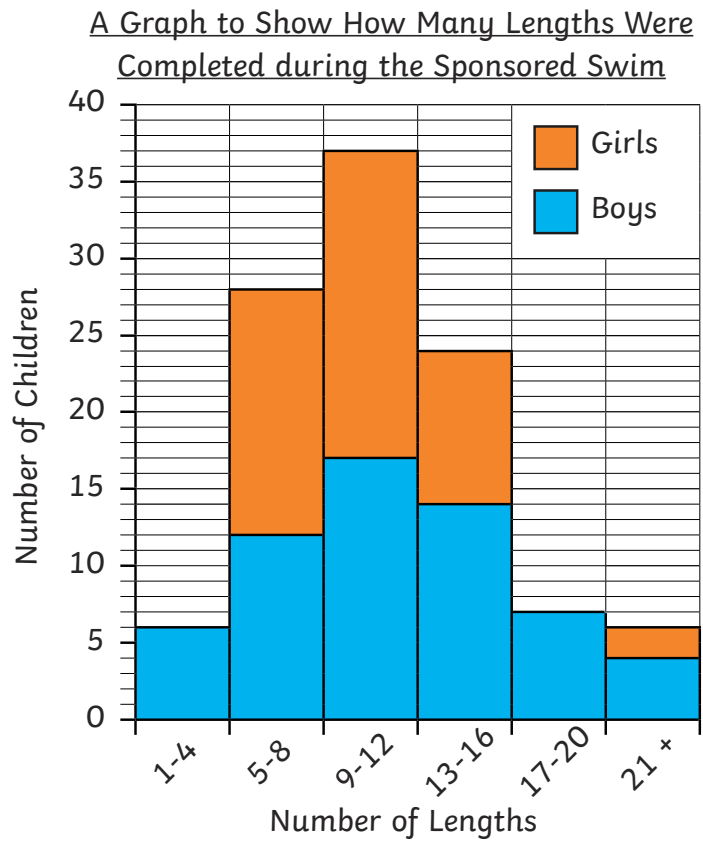
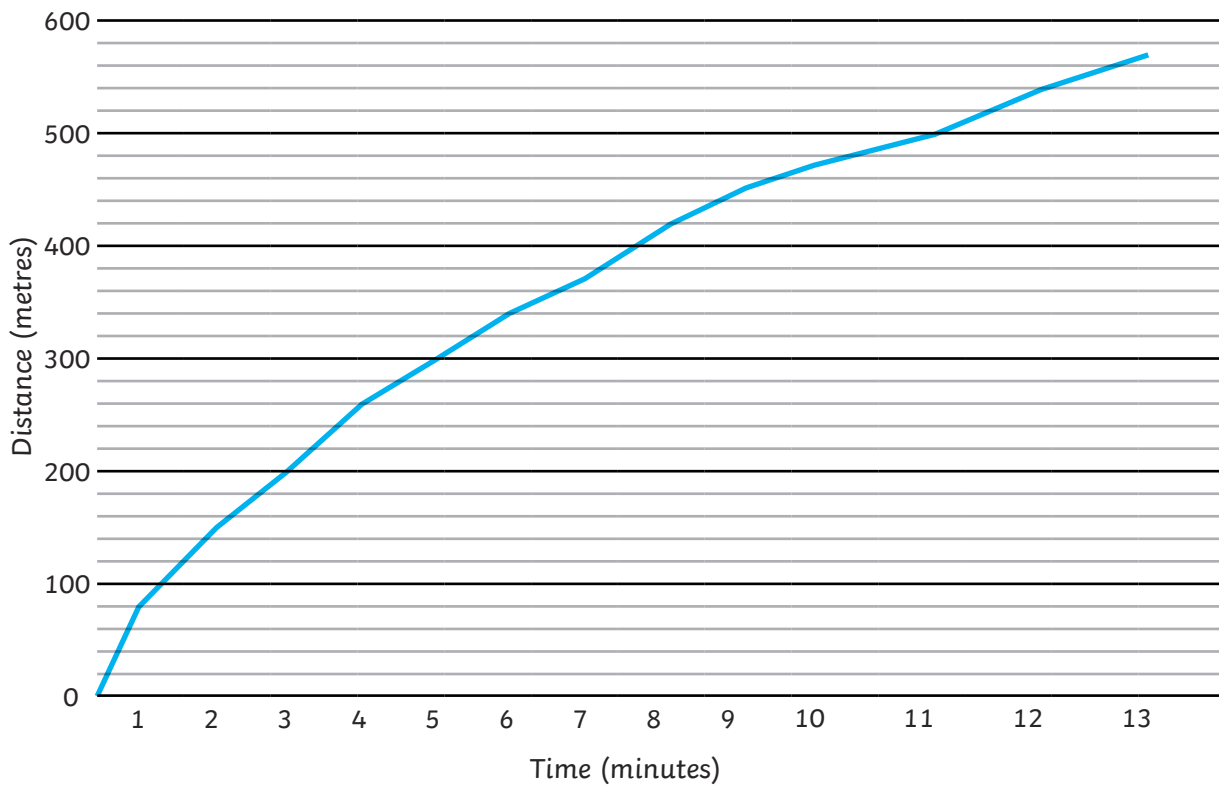


- 1) Some data is missing from both the table and the bar chart. Look at both of them carefully to help you complete them both.

Number of Lengths	Girls	Boys
1-4	8	6
5-8	16	
9-12	20	
13-16		
17-20	5	7
21+	2	



Poppy's Sponsored Swim Time



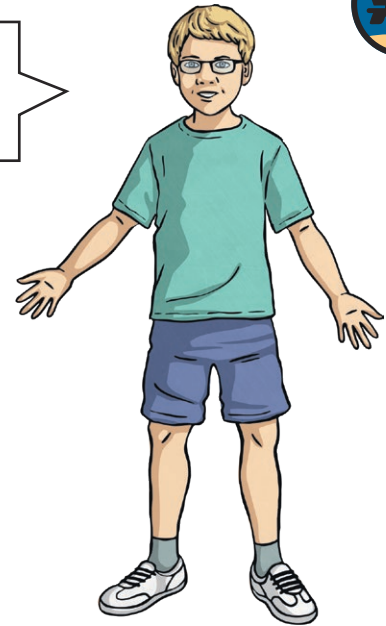
- 1) a) How long did it take Poppy to swim 450 metres? _____
b) How far did she swim between minute 7 and 8? _____
c) How many seconds did it take her to swim her first 50 metres? _____
- 2) Did Poppy slow down or speed up over the course of her swim? _____

Explain your reasoning:



1) Robin said:

The best way to compare the times of individual swimmers is always with a bar chart.



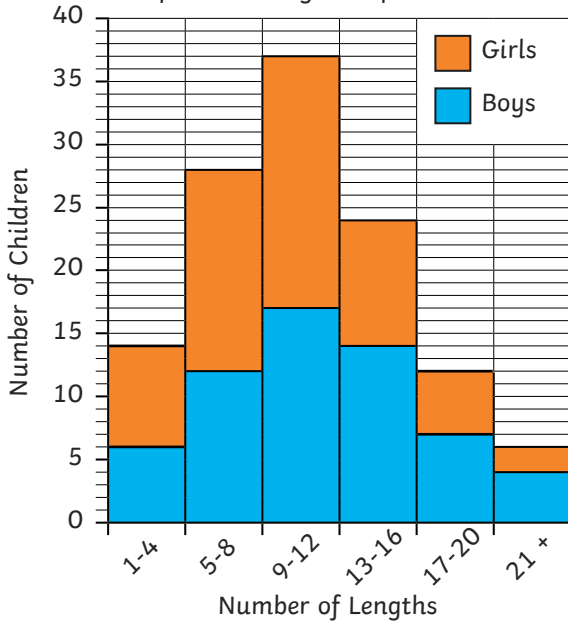
Do you agree with him? _____

Explain your reasoning:

2) Write 3 questions that could be answered using the bar chart and line graph shown on the separate sheet.

Explain how you would use the charts to answer each of them.

A Graph to Show How Many Lengths Were Completed during the Sponsored Swim



1) Some data is missing from both the stacked chart and the table. Look at the information in both to complete them.

Table and chart completed as shown here.

Number of Lengths	Girls	Boys
1-4	8	6
5-8	16	12
9-12	20	17
13-16	10	14
17-20	5	7
21+	2	4



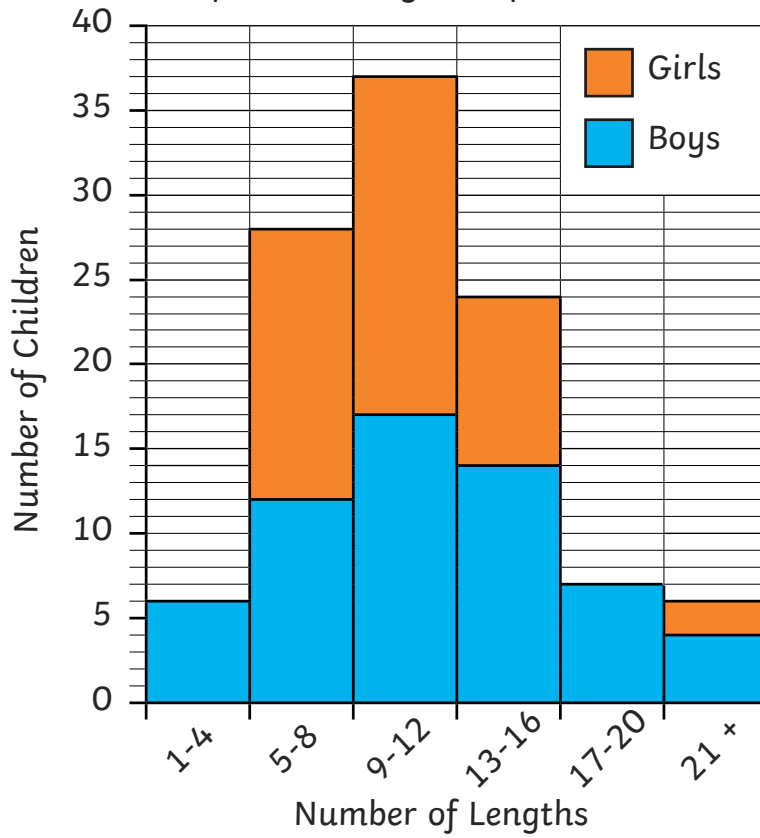
- 1) a) How long did it take Poppy to swim 450 metres? *around 9 minutes 30 seconds*
 b) How far did she swim between minute 7 and 8? *Answers in the range of 40-60 metres*
 c) How many seconds did it take her to swim her first 50 metres? *Accept answers estimating around 45 seconds.*
- 2) Did Poppy slow down or speed up over the course of her swim? *Slowed down*
 Explain your reasoning: *Her first 100 metres took just over a minute, but 400-500 metres took longer. The line shows a steady increase in the amount of time each 100-meter interval takes.*



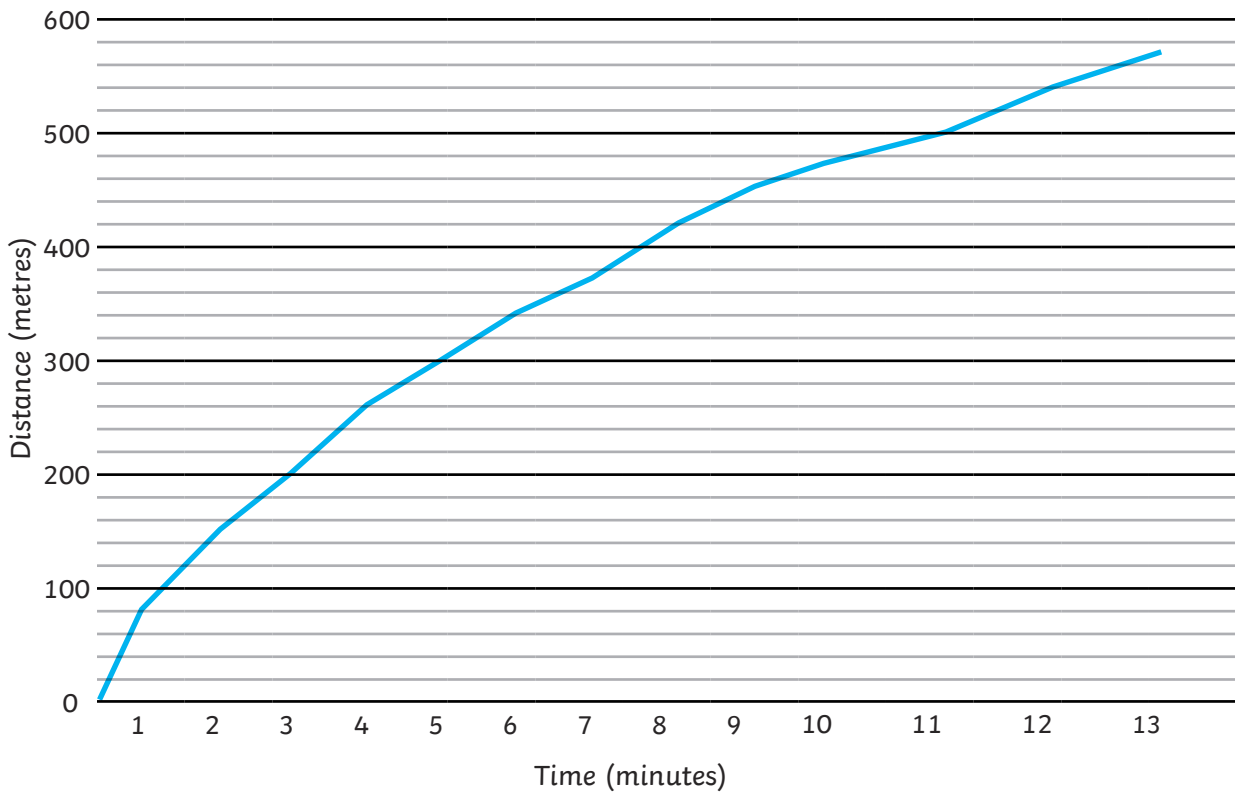
- 1) Robin said, "The best way to compare the times of individual swimmers is always with a bar chart."
 Do you agree with him? *No*
 Explain your reasoning: *If we wanted to compare swimmers speeds over a set time or at intervals a bar chart might not show this. A bar chart can only be used to compare finish times or times at one point in a race.*
- 2) Write 3 questions that could be answered using the bar chart and line graph shown on this sheet.
Answers will vary
 Explain how you would use the charts to answer each of them.
Answers will vary



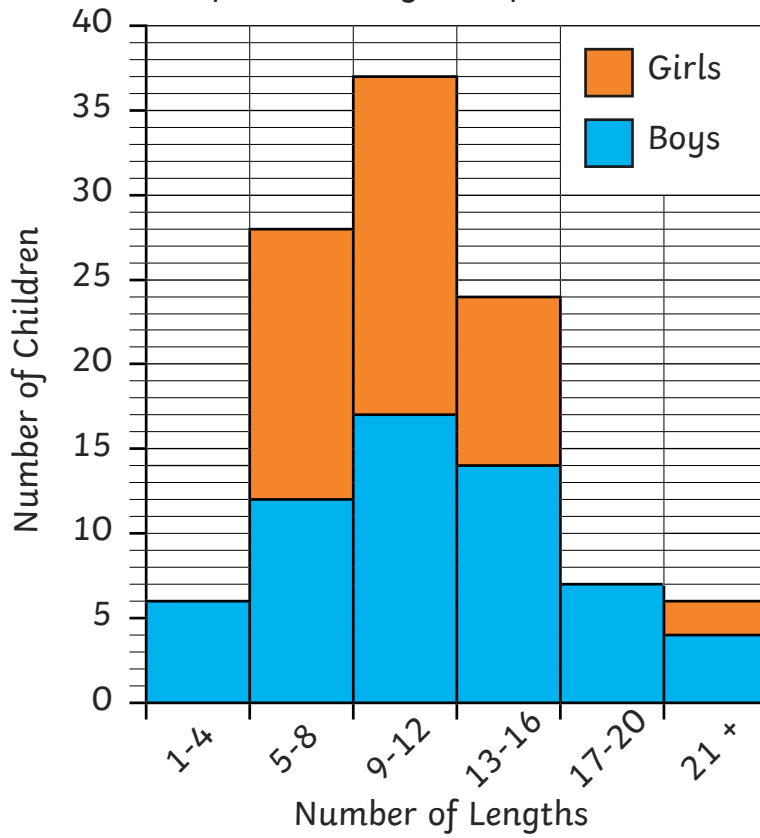
A Graph to Show How Many Lengths Were Completed during the Sponsored Swim



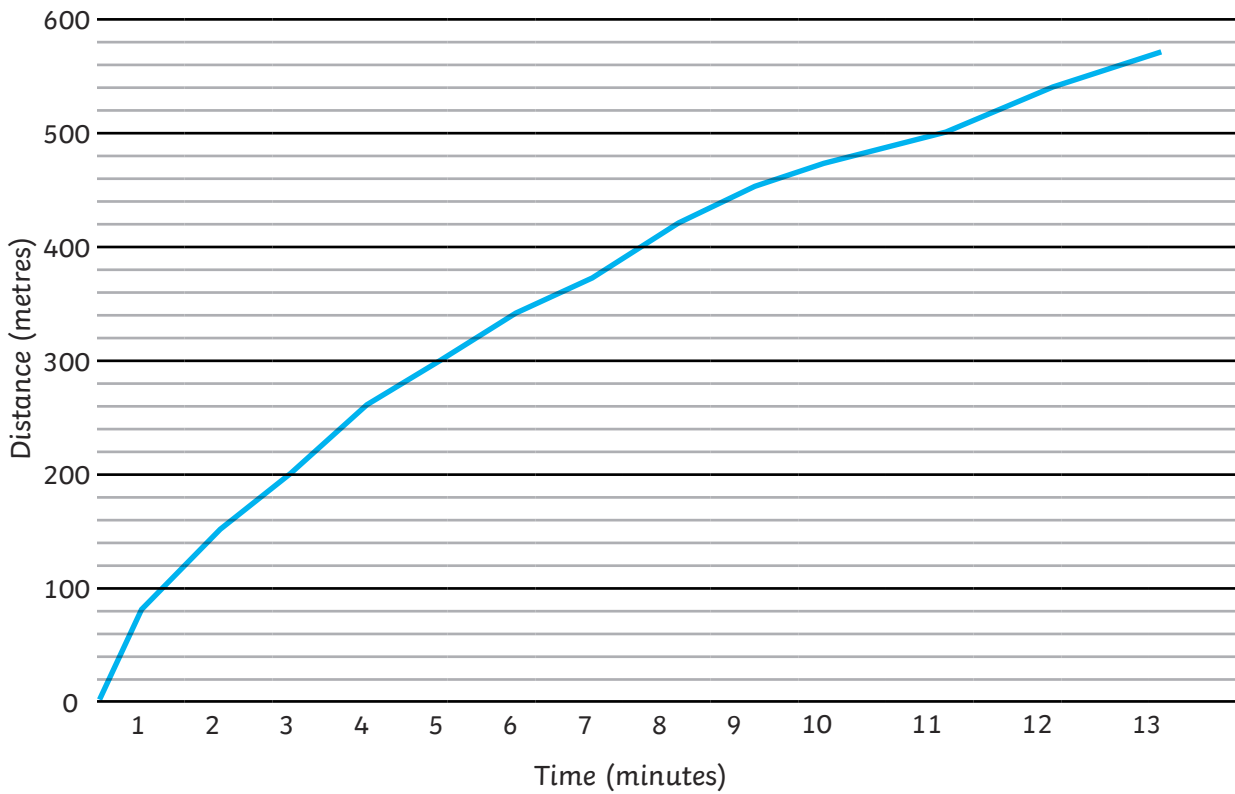
Poppy's Sponsored Swim Time



A Graph to Show How Many Lengths Were Completed during the Sponsored Swim



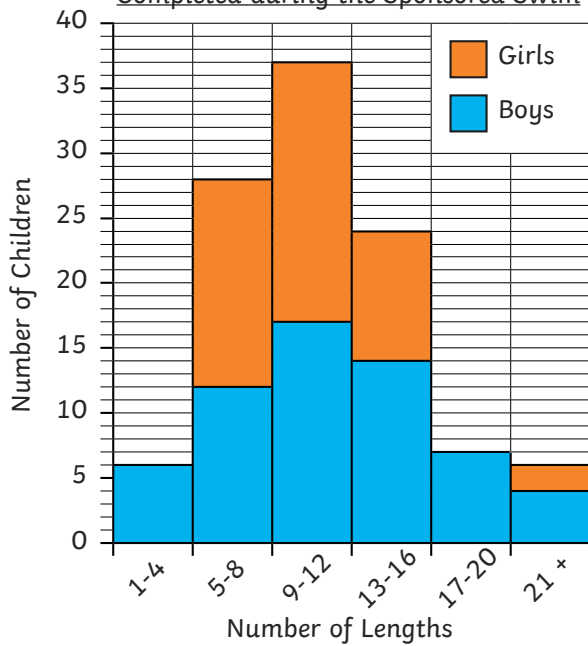
Poppy's Sponsored Swim Time



- 1) Some data is missing from both the table and the bar chart. Look at both of them carefully to help you complete them both.



A Graph to Show How Many Lengths Were Completed during the Sponsored Swim

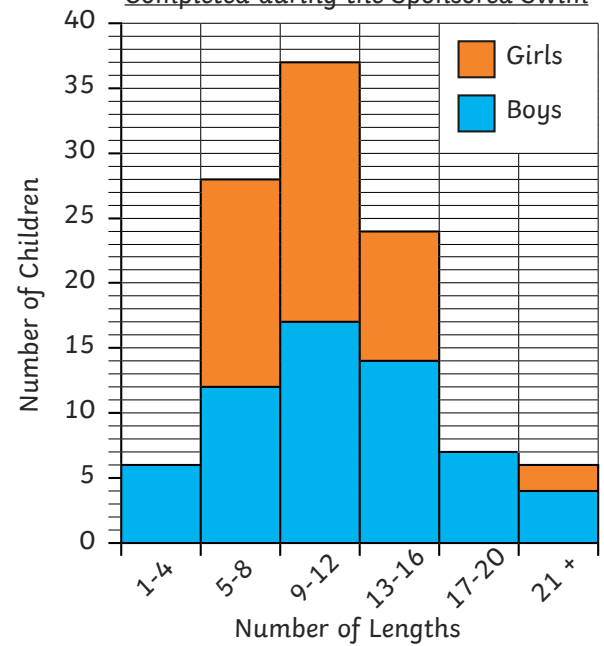


Number of Lengths	Girls	Boys
1-4	8	6
5-8	16	
9-12	20	
13-16		
17-20	5	7
21+	2	

- 1) Some data is missing from both the table and the bar chart. Look at both of them carefully to help you complete them both.



A Graph to Show How Many Lengths Were Completed during the Sponsored Swim



Number of Lengths	Girls	Boys
1-4	8	6
5-8	16	
9-12	20	
13-16		
17-20	5	7
21+	2	

Look at the line graph on the separate sheet.



- 1) In your book, answer the following questions:
- How long did it take Poppy to swim 450 metres?
 - How far did she swim between minute 7 and 8?
 - How many seconds did it take her to swim her first 50 metres?
- 2) Did Poppy slow down or speed up over the course of her swim? Explain your reasoning.

Look at the line graph on the separate sheet.



- 1) In your book, answer the following questions:
- How long did it take Poppy to swim 450 metres?
 - How far did she swim between minute 7 and 8?
 - How many seconds did it take her to swim her first 50 metres?
- 2) Did Poppy slow down or speed up over the course of her swim? Explain your reasoning.

- 1) Robin said, "The best way to compare the times of individual swimmers is always with a bar chart." Do you agree with him? Explain your reasoning in your book.



- 2) Write 3 questions that could be answered using the bar chart and line graph shown on the separate sheet. Explain how you would use the charts to answer each of them.

- 1) Robin said, "The best way to compare the times of individual swimmers is always with a bar chart." Do you agree with him? Explain your reasoning in your book.



- 2) Write 3 questions that could be answered using the bar chart and line graph shown on the separate sheet. Explain how you would use the charts to answer each of them.