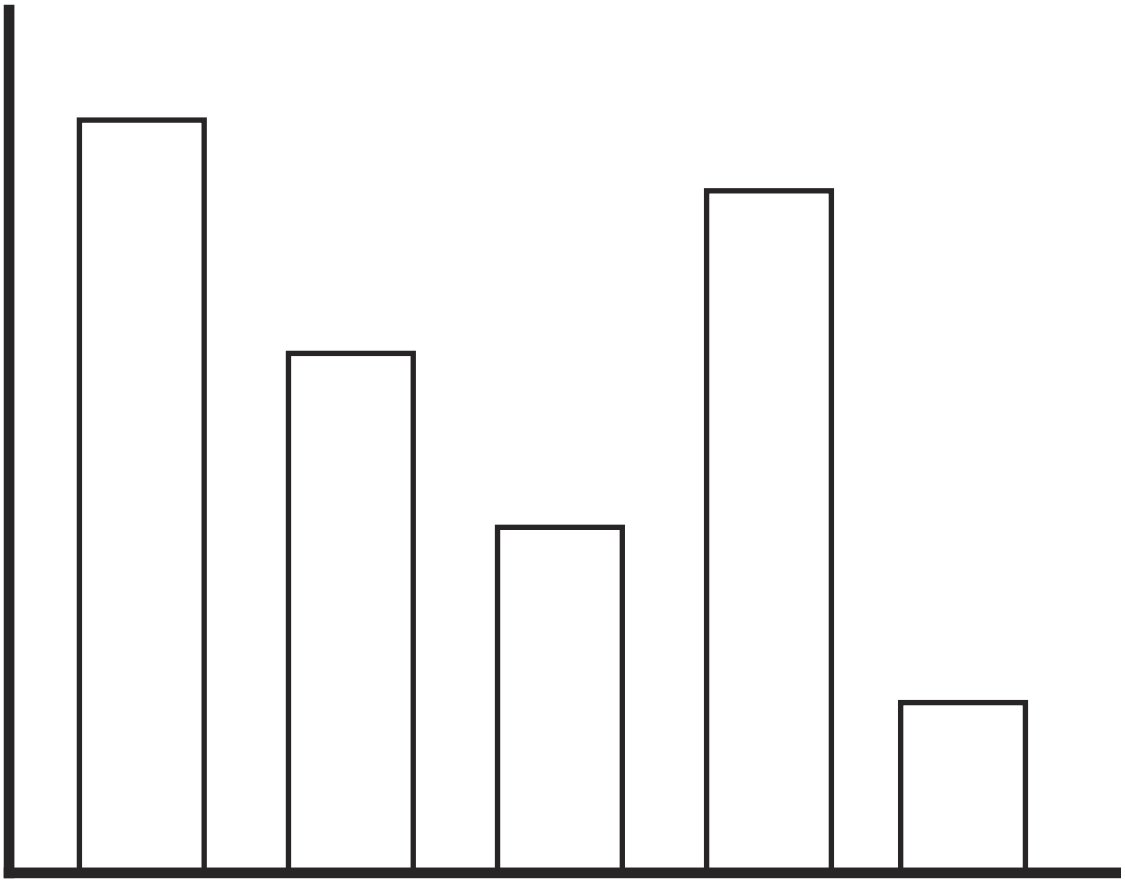
Year 3 Statistics

Activity Booklet



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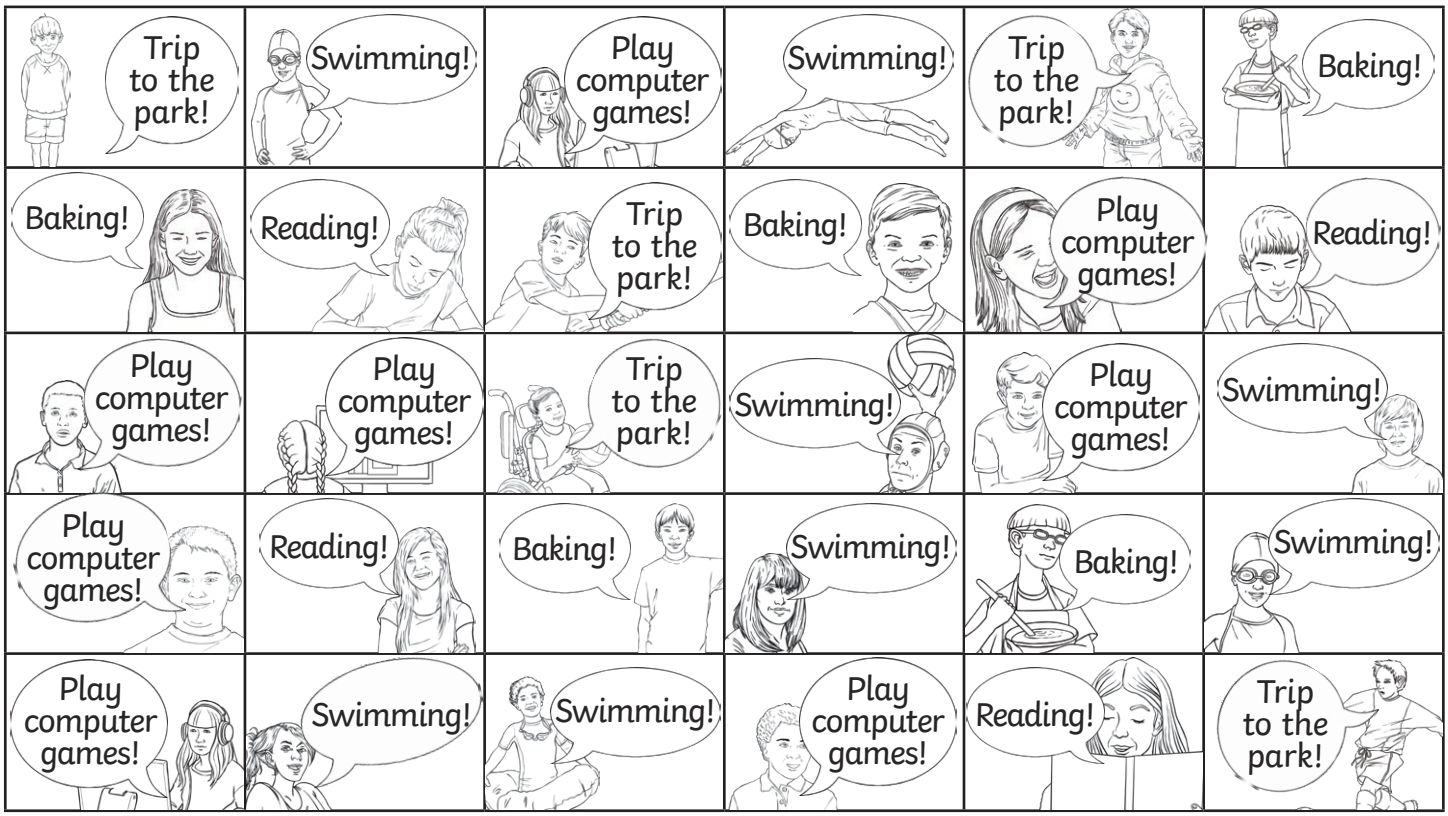
Year 3 Statistics Learning from Home Maths Activity Booklet

Year 3 Programme of Study – Statistics

Statutory Requirements	Activity Sheet	Page Number	Notes
Interpret and present data using bar charts, pictograms and tables.	Collecting and Presenting Data	1 - 2	
	Favourite Colour Tally and Bar Chart Activity Sheet	3 - 5	
Solve one-step and two-step questions using information presented in scaled bar charts and pictograms and tables.	Garden Birds Bar Graph	6 - 8	
	Reading Pictograms	9 - 11	

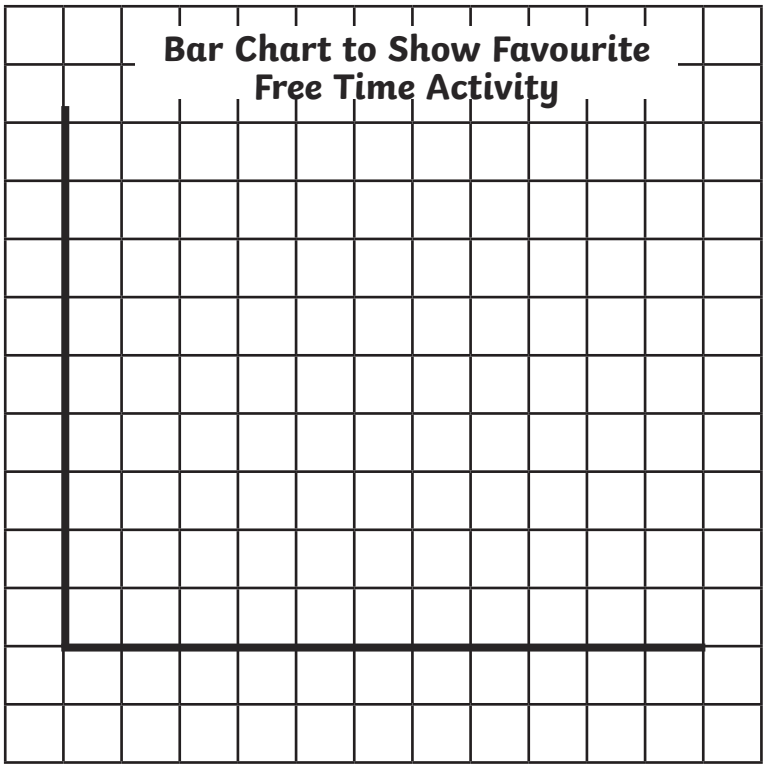
Collecting and Presenting Data

30 children were asked to choose what their favourite activity for a free afternoon at home would be. Here are their answers.



1. Fill in the tally chart and then calculate the total of each response.
2. Draw a bar chart to present your data.

Activity	Tally	Total
Swimming		
Trip to the park		
Play computer games		
Baking		
Reading		



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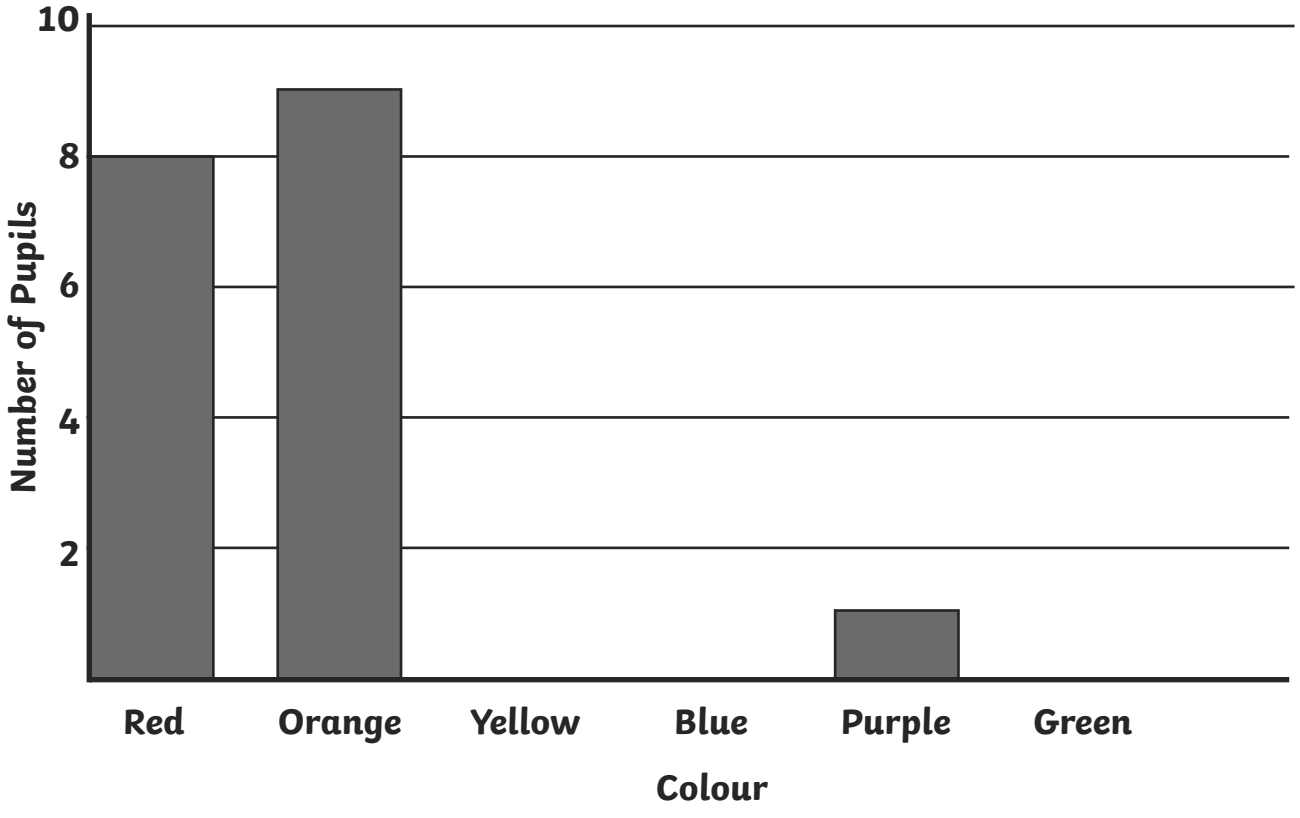
Favourite Colour Bar Graph and Tallying

Here is a tally chart to show the favourite colour of a group of children.

Colour	Number of Children	
Red		8
Orange		9
Yellow		5
Blue		2
Purple		1
Green		7

Complete the tally chart and bar charts.



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Favourite Colour Bar Graph and Tallying

1. Which colour was the second most favourite?

2. Which colours have a difference of 1 vote?

3. How many more children voted for red than they did blue?

4. How many children were asked about their favourite colour?

5. Write the colours in order from favourite to least favourite.

6. Which colours received over 5 votes?

7. Which colour was least favourite?

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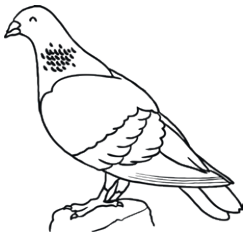
Garden Bird Graph

Complete the bar graph using the information below and then answer the questions about the graph.

Garden Bird	Tally
Robin 	||||
Chaffinch 	~~||||~~
Magpie 	|||
Blue tit 	||
Pigeon 	|

5					
4					
3					
2					
1					
					

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Questions

1. Which garden bird was seen the most?



2. Which garden bird was seen the least?



3. How many were there altogether? _____

4. How many robins and chaffinches were seen? _____

5. How many more robins than blue tits were seen? _____

6. How many fewer pigeons than magpies were seen? _____

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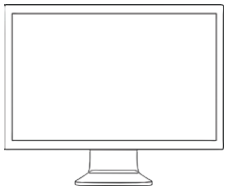
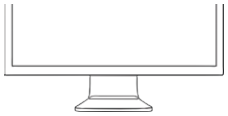
Reading Pictograms

The following pictogram shows the number of hours spent playing computer games by 6 children in one week. Can you answer the questions below?

Key =  = 2 hours  = 1 hour

Dave	Laura	Delia	Caleb	Jenni	Ali

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Reading Pictograms

1. Who played computer games for the longest amount of time?

_____

2. What is the difference in hours between the person who played the least and the person who played the most?

_____

3. Who played the most? Dave, Laura and Delia, or Caleb, Jenni and Ali.

_____

4. How many children spent **less than** 8 hours playing games?

_____

5. What was the total number of hours played on computer games?

_____

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