

Name:



## Maths Assessment Year 3: Statistics

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1. Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.

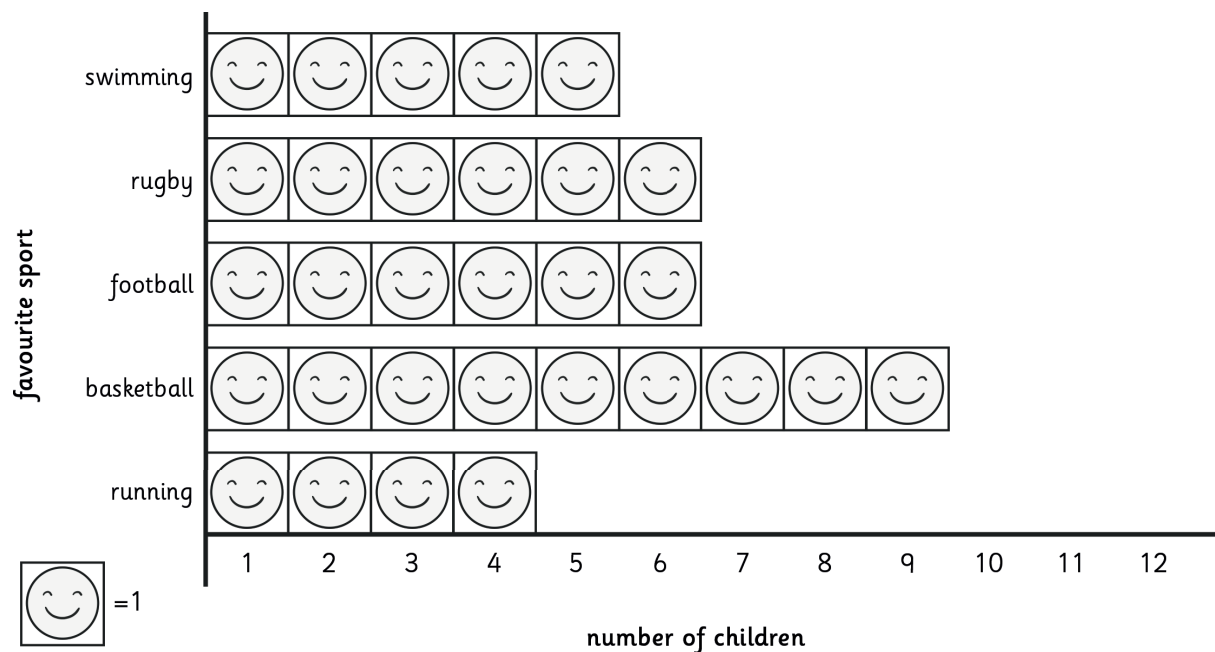
Name:

Date:

## Maths Assessment Year 3: Statistics

1. Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.

This pictogram shows the favourite sports that children picked.



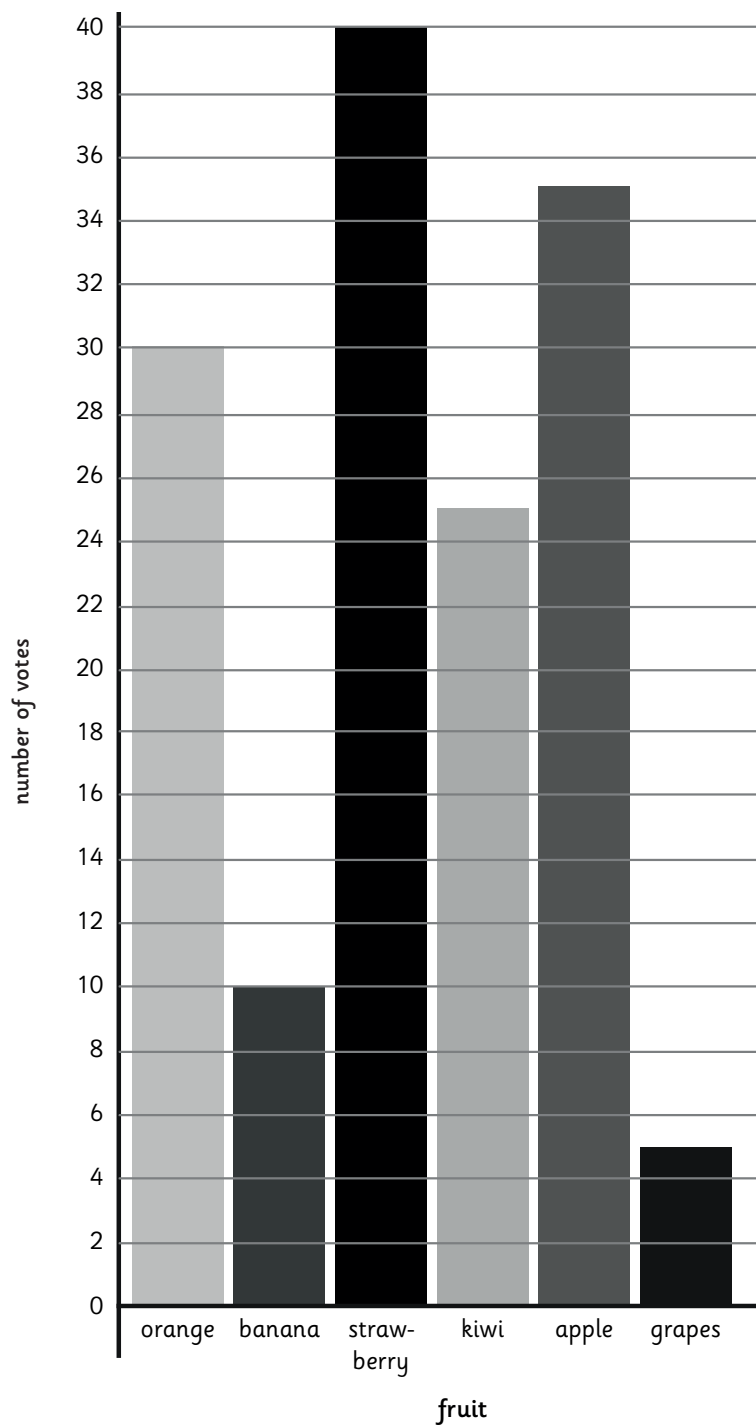
- a) What was the most popular sport?
- b) How many more children liked rugby than running?
- c) How many fewer children liked swimming than basketball?
- d) How many children picked football?

4 marks

Total for this page

2. Read the information in this bar chart to fill in the missing data in the table:

**A Chart to Show the Favourite Fruit of Market Shoppers.**



Fruit	Number of Votes
Orange	30
Grapes	
Strawberry	
	10
Kiwi	
	35

5 marks

Total for this page

3. James recorded how far everyone in his group jumped in the long jump.

Name	Distance Jumped
Ahmed	245cm
Sammy	312cm
Kelly	280cm
Ayshea	325cm
Nick	186cm

a) Who jumped the furthest?

b) How much further did Kelly jump than Ahmed?

Alex and Josh were jumping in another group.

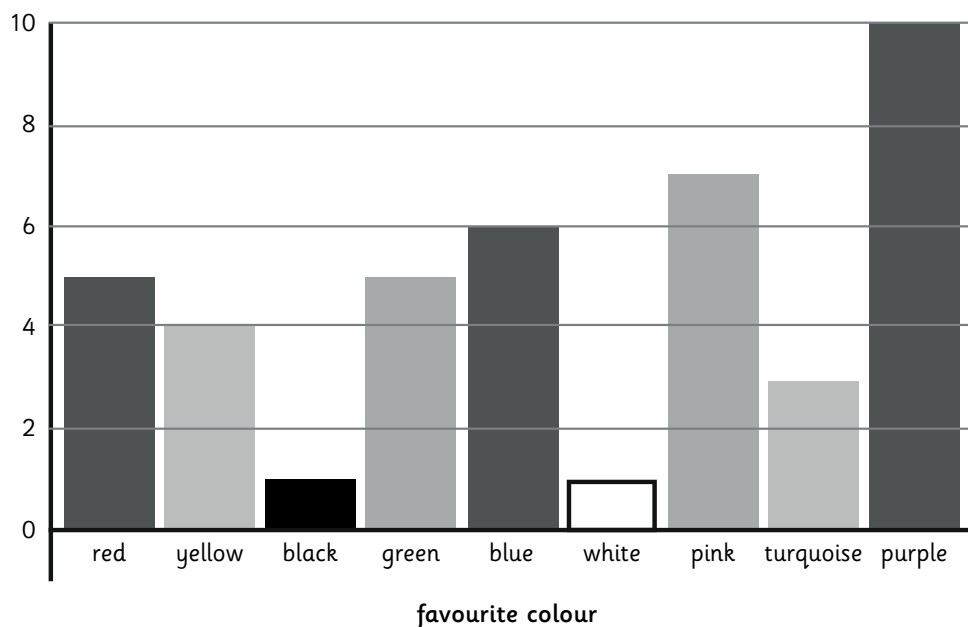
c) Alex jumped only half as far as Kelly. How far did he jump?

d) Josh beat Sammy by 20 cm. How far did he jump?

4 marks

4. This chart shows the favourite colours of children in Year 3.

A Bar Chart to Show the Favourite Colours of Children in Y3'



a) Which colour had the same number of votes as green?

b) How many children are in Y3?

c) How many children did not vote for purple?

3 marks

Total for this page

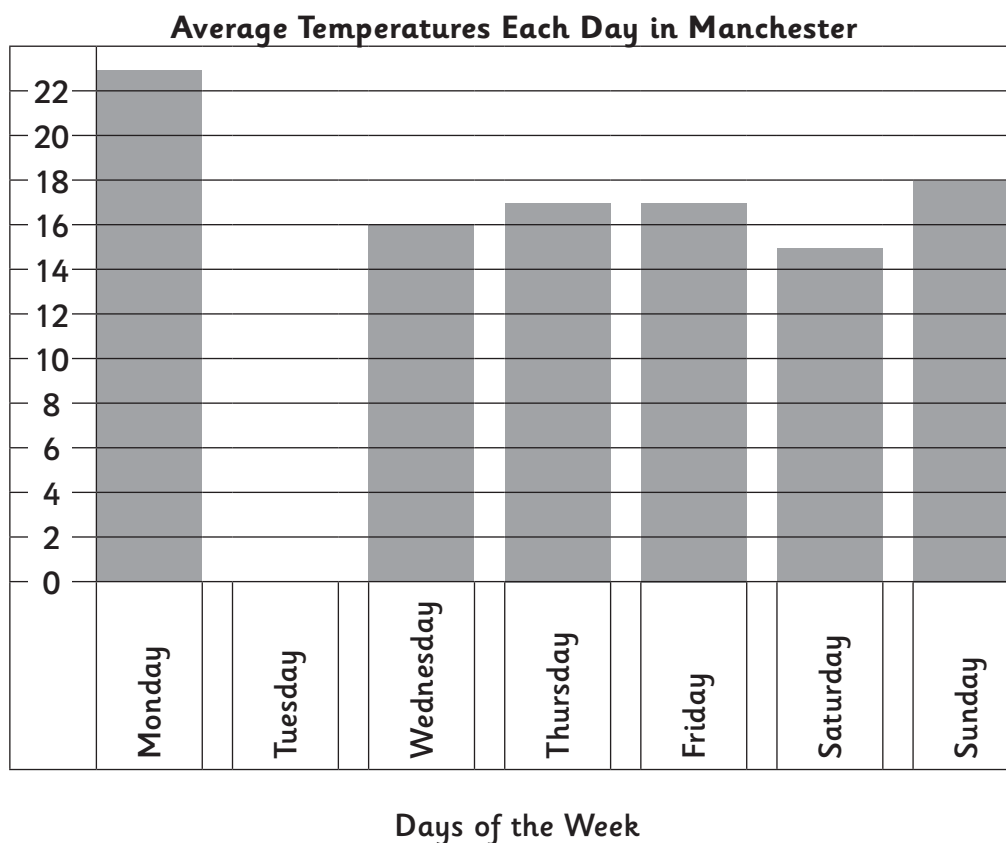
5. This is a list of the average temperatures each day in Manchester for a week.

Day	Average Temperature in °C
Monday	23
Tuesday	18
Wednesday	16
Thursday	17
Friday	17
Saturday	15
Sunday	18

a) Which was the hottest day?

b) Which was the coldest day?

Here is a bar chart of the temperatures:



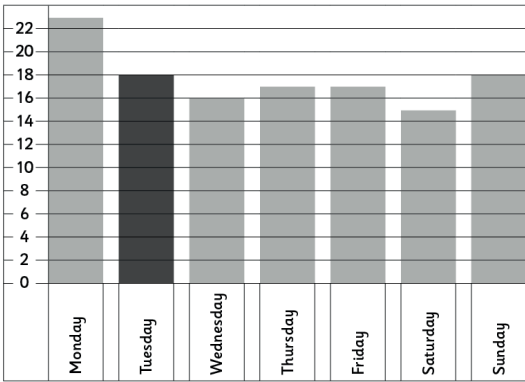
c) Can you label the y-axis?

d) Draw in the bar for Tuesday

4 marks

Total for this page

question	answer	marks	notes														
1. Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.																	
a	basketball	1															
b	2	1															
c	4	1															
d	6	1															
2.																	
	<table><tr><td>Fruit</td><td>Number of votes</td></tr><tr><td>orange</td><td>30</td></tr><tr><td>grapes</td><td>5</td></tr><tr><td>strawberry</td><td>40</td></tr><tr><td>banana</td><td>10</td></tr><tr><td>kiwi</td><td>25</td></tr><tr><td>apple</td><td>35</td></tr></table>	Fruit	Number of votes	orange	30	grapes	5	strawberry	40	banana	10	kiwi	25	apple	35	5	Award 1 mark for each correct answer.
	Fruit	Number of votes															
	orange	30															
	grapes	5															
	strawberry	40															
	banana	10															
	kiwi	25															
apple	35																
3.																	
a	Ayshea	1															
b	35cm	1															
c	140cm	1															
d	332cm	1															
4.																	
a	red	1															
b	42	1															
c	32	1															

question	answer	marks	notes
<b>5.</b>			
a	Monday	1	
b	Saturday	1	
c	Average Temperature in °C	1	The label must be written on the y axis, not next to the question.
d		1	
		Total 20	