Test - Bar charts and time graphs

Year: Year 4 · Duration: 35 minutes · /20

Name:	Date:	**Mark: /20**

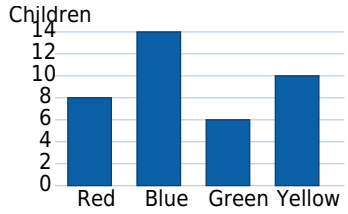
Question	1	2	3	4	5	Total
marks	4	4	4	4	4	**20**
Mark						

Show your working.

Question 1 (4 marks)

Question 1 – Reading a bar chart

The bar chart shows the favourite colours of some children.



a. How many children chose blue? (1 mark)
b. Which colour is the least popular? (1 mark)
c. How many more children chose blue than red? (1 mark)
d. How many children are in the survey? (1 mark)

Question 2 (4 marks)

Question 2 – Pictogram

A pictogram shows the number of books read. Each ● is 5 books and ◐ is 2.5 books.

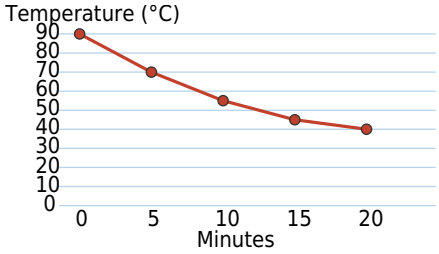
Item	Symbols
Ali	●●●
Bea	●●●●●
Cal	●●

a. How many books did Bea read? (1 mark)
b. How many books did Ali read? (1 mark)
c. How many books in total? (2 marks)

Question 3 (4 marks)

Question 3 – Time graph

The time graph shows the temperature of a cup of tea as it cools.



a. What is the temperature after 10 minutes? (1 mark)
b. How much does it cool in the first 5 minutes? (1 mark)
c. Between which times does it cool the fastest? (1 mark)
d. Is it true that the line is flat at the end? Explain. (1 mark)

Question 4 (4 marks)

Question 4 – Choosing a scale

A teacher has this data: 20, 35, 50 and 65 children.

a. Which scale would you use for a bar chart: 1, 5 or 10 per square? Explain. (2 marks)
b. How many squares tall is the bar for 35 children on a scale of 5? (1 mark)
c. What is the total number of children? (1 mark)

Question 5 (4 marks)

Question 5 – The swimming club

The table shows the number of lengths swum by four children.

Child	Lengths
Amy	24
Ben	18
Cara	30
Dan	12

a. Who swam the most lengths, and how many more than Dan? (2 marks)
b. Each length is 25 m. How far did Ben swim? (1 mark)
c. The club target is 100 lengths. Did they reach it? (1 mark)