Name:

Maths Assessment Year 3 Term 3: Statistics

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Maths Assessment Year 3 Term 3: Statistics

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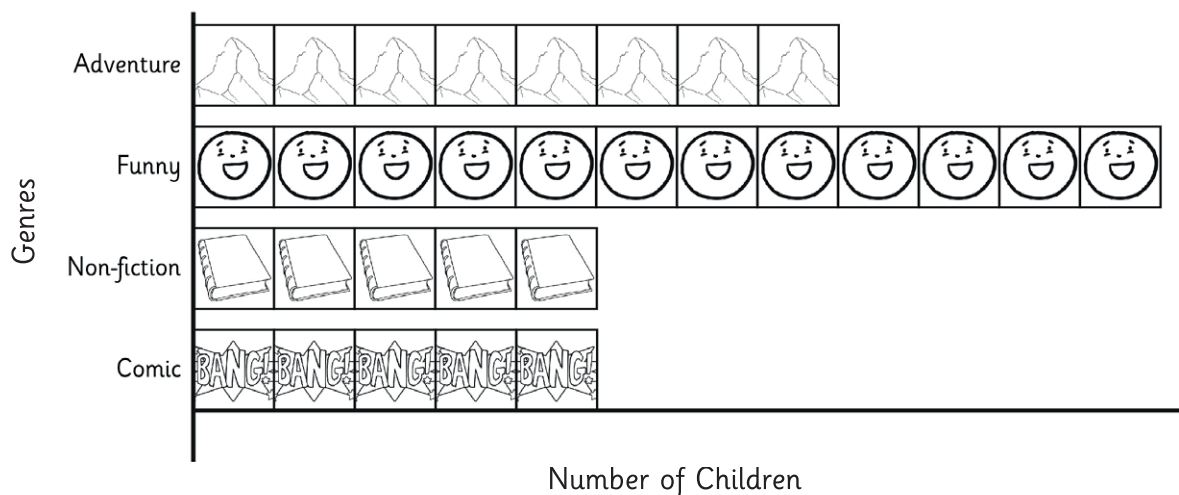
This pictogram shows the favourite books that 30 children picked.

a) What was the children's favourite book genre?
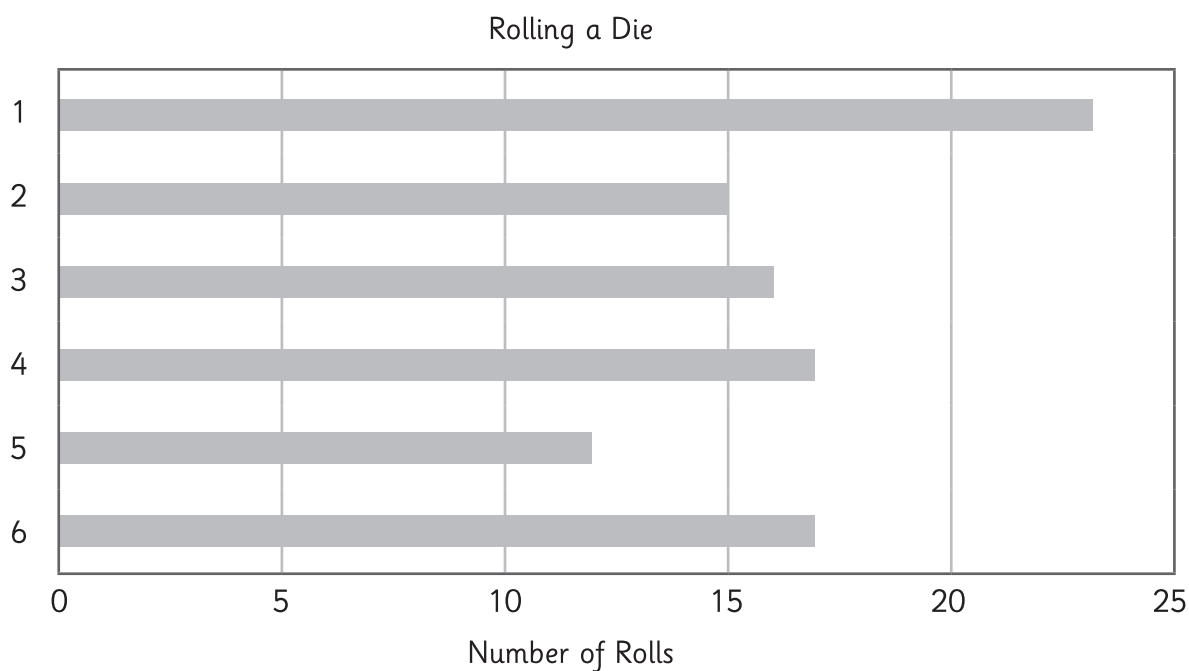
b) Which book genres were chosen equally?

and

c) How many more children liked Funny and Comic Books combined than Adventure Books?

/20
total marks

twinkl

Total for this page

1 mark

1 mark

2 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 number of times a number is rolled on a die.

Rolling a Die

Number of Rolls

a) Which number was rolled most often and how many times was it rolled?

number [ ]

[ ] rolls

b) How many times was the die rolled altogether?

[ ]

c) How many more times was the number 6 thrown than number 5?

[ ]

3. Four teams of children were running a relay. A tally chart was used to record the number of times each team ran one lap of the playground.
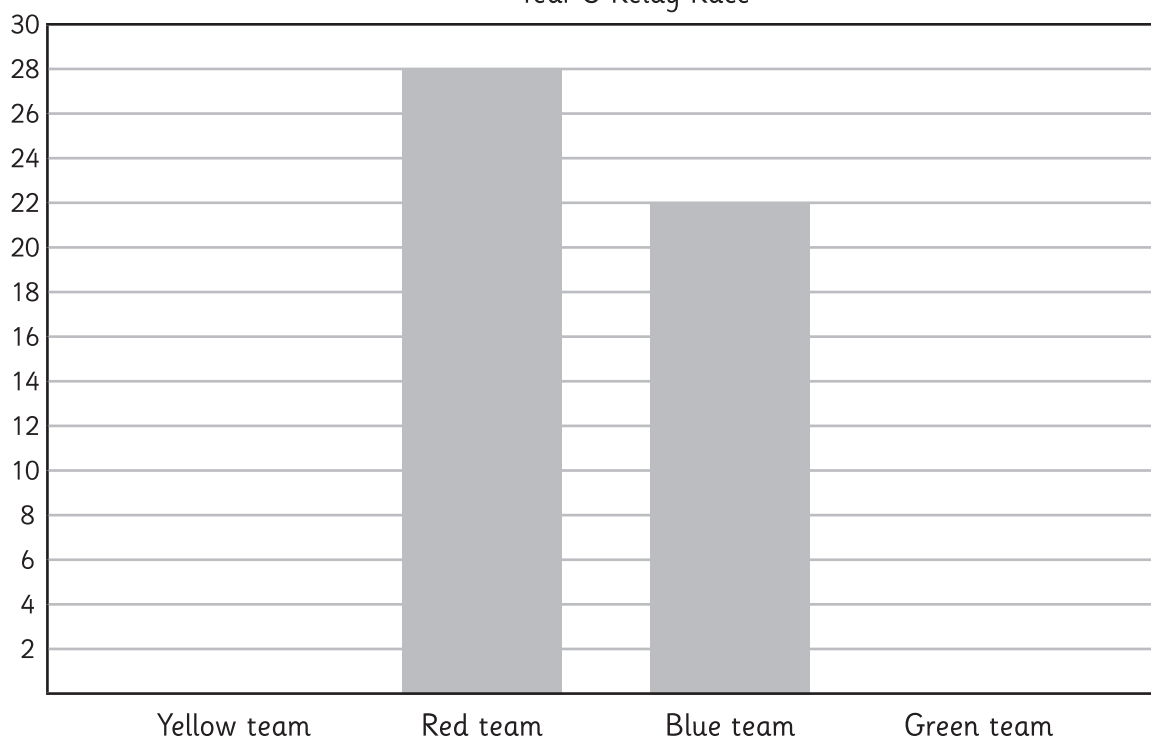
Use the information in this tally chart and bar chart to complete both.

Year 3 Relay Race

Yellow team	IIII IIII IIII IIII
Red team	
Blue team	
Green team	IIII IIII IIII IIII IIII

Year 3 Relay Race

4. This chart shows the hair colour of children in Year 3.

Hair colour	Number of children
Dark Brown	32
Light Brown	24
Fair	15
Blonde	31
Ginger	7

a) How many children have brown hair?

b) How many more children have blonde hair than fair hair?

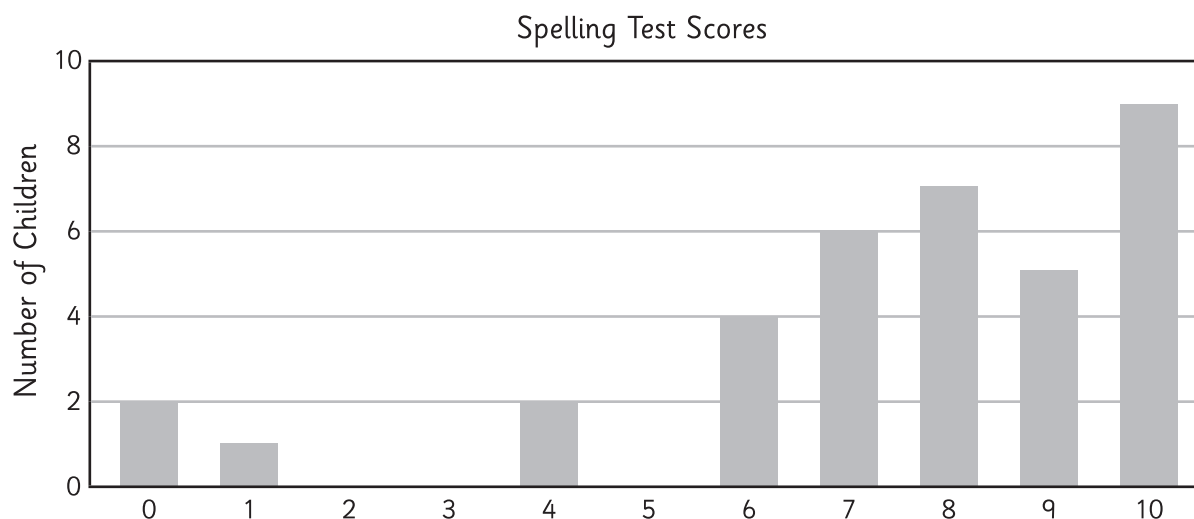**c)** Another child joins the school, who has blonde hair. What is the most popular hair colour now?

5. Here is a bar chart showing how many children scored each mark in a spelling test.

Spelling Test Scores

a) How many children scored 8 in the test?

b) How many more children scored 10 than 9 in the test?

c) The teacher checked the marks and changed one child's score from 6 to 7. How many have scored 6 now?

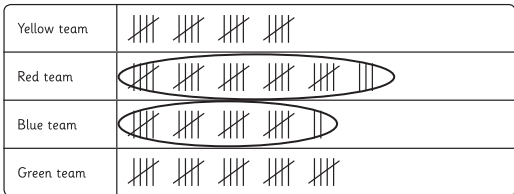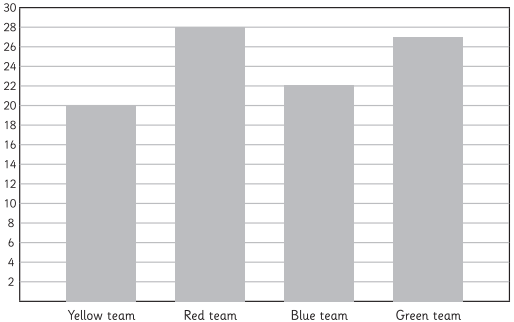**d)** How many children scored less than 5?

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	Funny Books	1	
b	Non-fiction and Comic Books	1	
c	9	2	Award 1 mark for adding 12 and 5 and subtracting 8, but an incorrect calculation.
2.			
a	Number 1, 23 rolls	2	Allow 1 mark for each correct answer.
b	100 Readings are: 23, 15, 16, 17, 12, 17	2	Allow 96-104 Allow 1 mark for incorrect answer but all 6 readings correct to a margin of error of 1.
c	5	1	Allow 4-6
3.			
a	 1 mark for each correct tally.	2	Tallies must be correct.
b		2	The green bar must be clearly between 24 and 26 although not necessarily exactly half way.
4.			
a	56	1	Children need to add 32 and 24.
b	16	1	
c	Dark brown and blonde	1	

question	answer	marks	notes
5.			
a	7	1	
b	4	1	
c	3	1	
d	5	1	
		Total 20	