

Name:



Maths Assessment Year 2 Term 3: Statistics

1. Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.
2. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
3. Ask and answer questions about totalling and comparing categorical data.

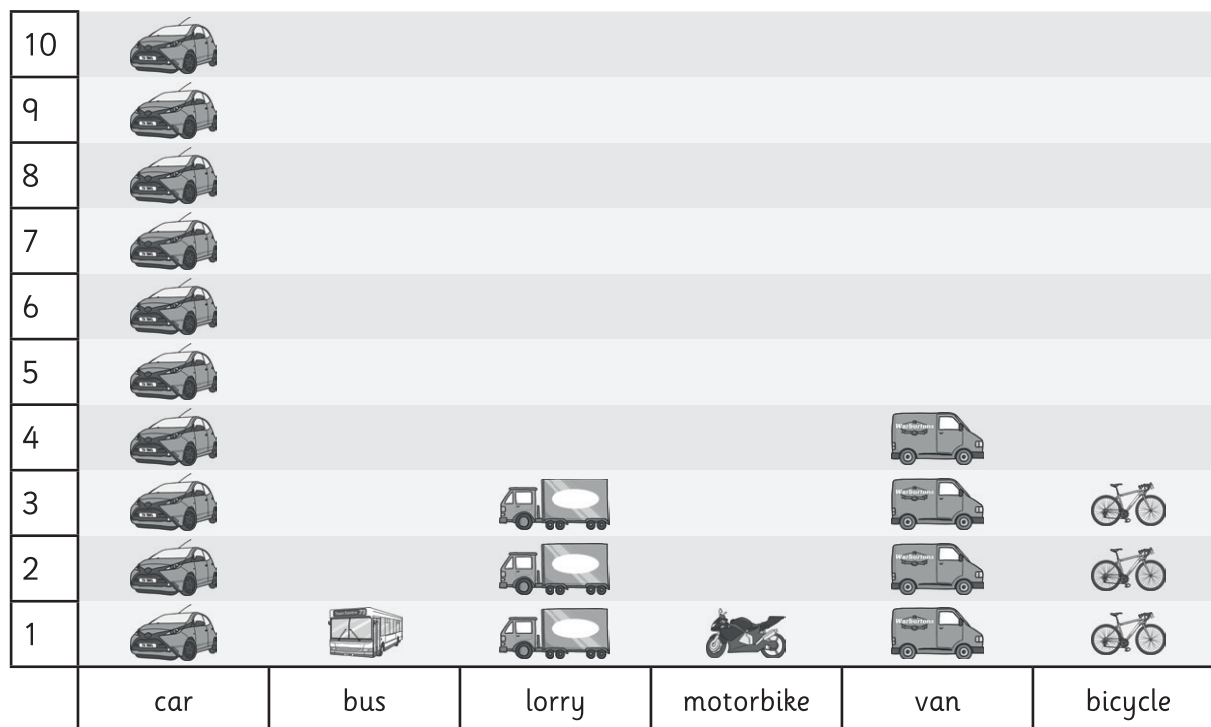
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Maths Assessment Year 2 Term 3: Statistics

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This pictogram shows the vehicles passing school in 1 hour.



a) How many lorries passed the school?

b) How many two-wheeled vehicles passed the school?

c) How many vehicles passed the school altogether?




d) How many more cars than vans passed the school?

e) The next vehicles to pass the school were a group of 8 cyclists. How would this change which was the most common vehicle to pass the school?

5 marks

Total for this page

f) Fill in the gaps in the tally chart about class 3.

Vehicle	Tally	Total
Car		
Lorry		13
Bus		
Motorbike		6
Van		
Bicycle		0

Write 2 different questions you could ask someone about this tally chart information.



5 marks



1 mark



1 mark



Total for
this page

Some children did a sponsored swim to raise money for new books for school.

Class	Boys	Girls	Total
Class 1	13	15	
Class 2	15	12	27
Class 3		17	28
Class 4	18	13	31
Class 5	14		30

g) Complete the table.

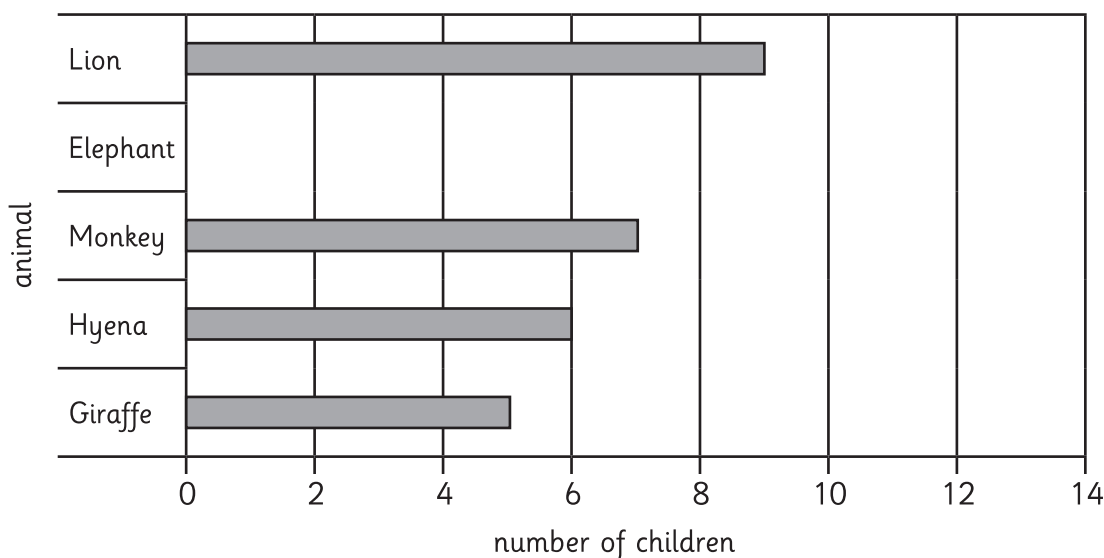
h) Which class has the most boys?

i) How many more girls are there than boys altogether?

5 marks

Following a visit to a Wildlife Park, the children chose their favourite animal.

Favourite Wildlife Park Animal



j) 13 children choose the elephant. Draw the bar for the elephant

k) How many more children preferred the lion to the giraffe?

l) How many children chose their favourite animal?

3 marks

Total for this page

question	answer	marks	notes																								
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a	3	1																									
b	4	1																									
c	22	1																									
d	6	1																									
e	The most common vehicle would change from cars to bicycles.	1	1 mark for mentioning both car and bicycle and that it changes from car to bicycle.																								
f	<table><tr><th>Vehicle</th><th>Tally</th><th>Total</th></tr><tr><td>Car</td><td> </td><td>17</td></tr><tr><td>Lorry</td><td> </td><td>13</td></tr><tr><td>Bus</td><td> </td><td>4</td></tr><tr><td>Motorbike</td><td> </td><td>6</td></tr><tr><td>Van</td><td> </td><td>8</td></tr><tr><td>Bicycle</td><td></td><td>0</td></tr></table> <p>One mark for each relevant question asked</p>	Vehicle	Tally	Total	Car		17	Lorry		13	Bus		4	Motorbike		6	Van		8	Bicycle		0	7	Accept any reasonable questions which can be asked from the information in the tally chart. Award 1 mark for each different type of question e.g. award only 1 mark for the questions - How many vans? How many cars?			
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Class 5	14	16	30																								
h	Class 4	1																									
i	2 more girls	1																									
j	Bar should be halfway between 12 and 14.	1																									
k	4	1																									
l	40	1																									
		Total 20																									