KS1 Maths Quiz - Year 2 Data Handling - Comparing Categorical Data (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Maths and Numeracy for children aged 6 and 7 in year 2. Specifically this quiz is aimed at the section dealing with asking and answering questions about comparing categorical data.

When data handling, Year 2 children will learn to read graphs and charts and interpret what they see. They should then be able to use the numbers generated to answer questions which involve comparing or categorising, for example, finding the difference between the most and least popular.
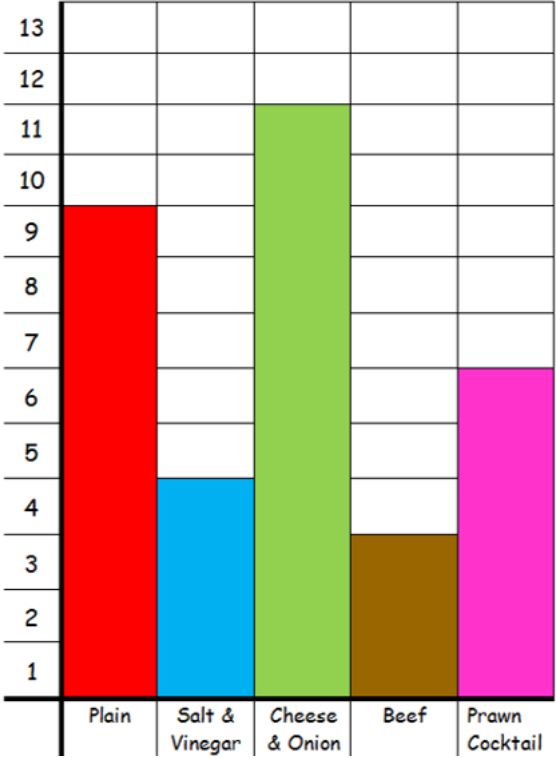
This quiz will help your child both to ask and to answer questions about comparing categorical data.

1.

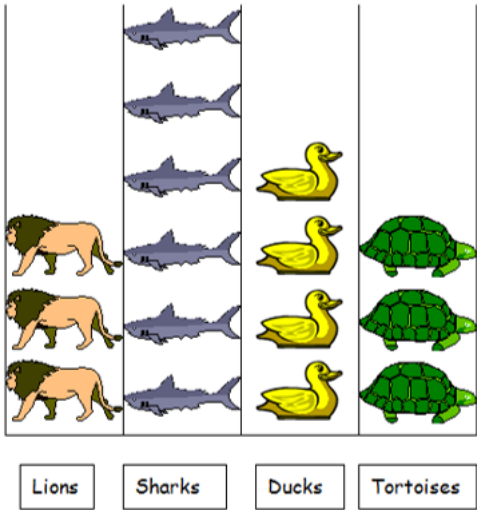**How many more people liked chips or burgers than lollipops?**

[ ] 7
[ ] 3
[ ] 4
[ ] 9

2.

How many more people liked the most popular flavour than the next most popular?

[ ] 20
[ ] 5
[ ] 7
[ ] 2

3.

Which two animals does the zoo own the most of?

| Lions | Sharks | Ducks | Tortoises |

[ ] Lions and ducks
[ ] Sharks and tortoises
[ ] Lions and tortoises
[ ] Sharks and ducks

4.

This pictogram shows favourite foods. How many more people liked Ice-cream than hot dogs?

[ ] 7
[ ] 2
[ ] 5
[ ] 9

5. **What is the difference in number between the most and least popular pet?**

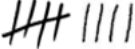|	1	2	3	4	5	6	7	8	9
dog									
cat									
rabbit									
horse									
tortoise									

[ ] 5
[ ] 7
[ ] 2
[ ] 3

6. **What is the difference between the number of people owning the most popular and least popular pets?**

dog	|||| ||	7
cat	|||| ||||	9
rabbit	||||	5
horse	||||	4
tortoise	||	2

[ ] 11
[ ] 5
[ ] 4
[ ] 7

7. **Which were the two most popular crisp flavours?**

[ ] Salt & vinegar and plain
[ ] Beef and Cheese & onion
[ ] Salt & vinegar and prawn cocktail
[ ] Cheese & onion and plain
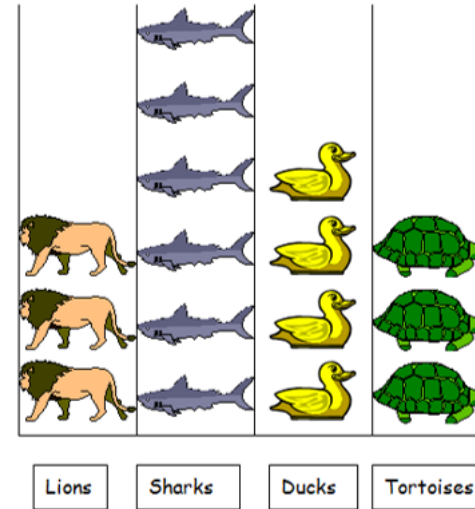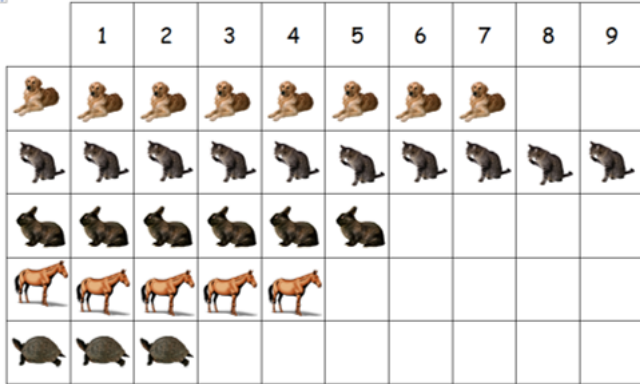
8. **This pictogram shows animals owned by the zoo. How many more shark than tortoises does the zoo own?**
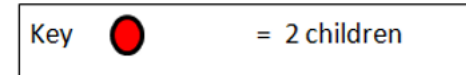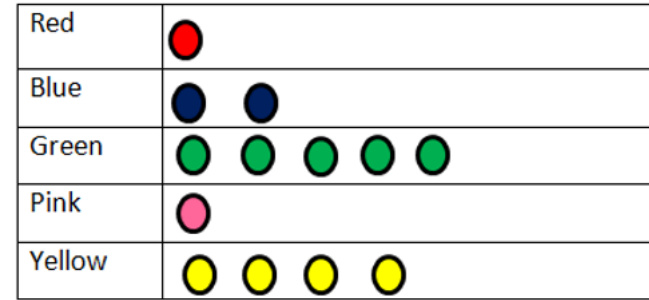

[ ] 1
[ ] 2
[ ] 4
[ ] 3

9. **Here is the tally chart turned into a pictogram. How many more people own a cat than a rabbit?**

	1	2	3	4	5	6	7	8	9
dog	🐕	🐕	🐕	🐕	🐕	🐕	🐕		
cat	🐱	🐱	🐱	🐱	🐱	🐱	🐱	🐱	🐱
rabbit	🐰	🐰	🐰	🐰	🐰				
horse	🐴	🐴	🐴	🐴	🐴				
tortoise	🐢	🐢	🐢						

[ ] 4
[ ] 5
[ ] 9
[ ] 8

10. **How many more children chose green than pink as their favourite colo**

Red	🔴
Blue	🔵 🔵
Green	🟢 🟢 🟢 🟢 🟢
Pink	🌸
Yellow	🟡 🟡 🟡 🟡

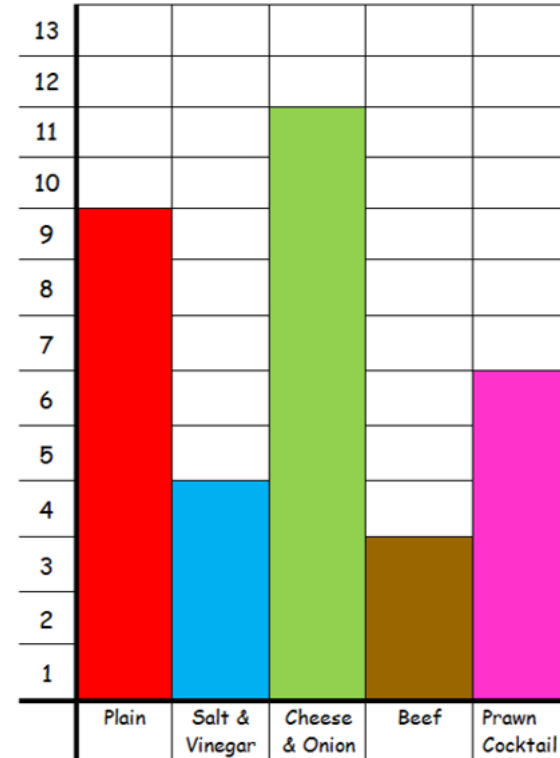| Key	🔴	= 2 children

[ ] 6
[ ] 4
[ ] 8
[ ] 12

1.

How many more people liked chips or burgers than lollipops?

[ ] 7
[ ] 3
[x] 4
[ ] 9

7 people liked chips or burgers but only 3 people liked lollipops
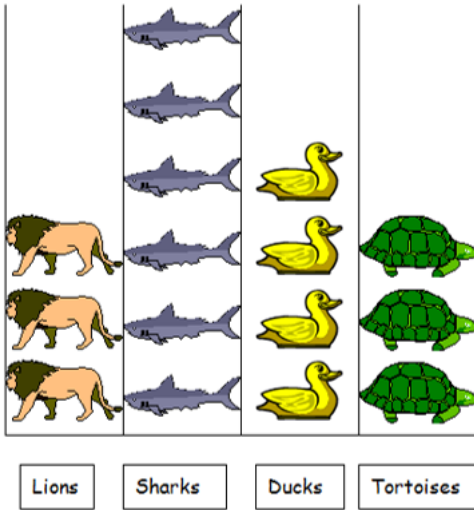
2.

How many more people liked the most popular flavour than the next most popular?

[ ] 20
[ ] 5
[ ] 7
[x] 2

11 people like cheese & onion, compared to 9 who liked plain

3. **Which two animals does the zoo own the most of?**

| Lions | Sharks | Ducks | Tortoises |

[ ] Lions and ducks
[ ] Sharks and tortoises
[ ] Lions and tortoises
[x] Sharks and ducks
There are 6 sharks and 4 ducks but only 3 lions and 3 tortoises

4. **This pictogram shows favourite foods. How many more people liked Ice-cream than hot dogs?**

[ ] 7
[ ] 2
[x] 5
[ ] 9
There are 7 ice creams and 2 hotdogs. The difference between 7 and 2 is 5

5. **What is the difference in number between the most and least popular pet?**

[ ] 5
[x] 7
[ ] 2
[ ] 3
The difference between 9 and 2 is 7

6. **What is the difference between the number of people owning the most popular and least popular pets?**

[ ] 11
[ ] 5
[ ] 4
[x] 7
The difference between 9 and 2 is 7

7. **Which were the two most popular crisp flavours?**

[ ] Salt & vinegar and plain
[ ] Beef and Cheese & onion
[ ] Salt & vinegar and prawn cocktail
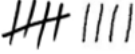[x] Cheese & onion and plain
The green and the red columns are the longest

8. **This pictogram shows animals owned by the zoo. How many more shark than tortoises does the zoo own?**

[ ] 1
[ ] 2
[ ] 4
[x] 3
There are 6 sharks and 3 tortoises

9. **Here is the tally chart turned into a pictogram. How many more people own a cat than a rabbit?**
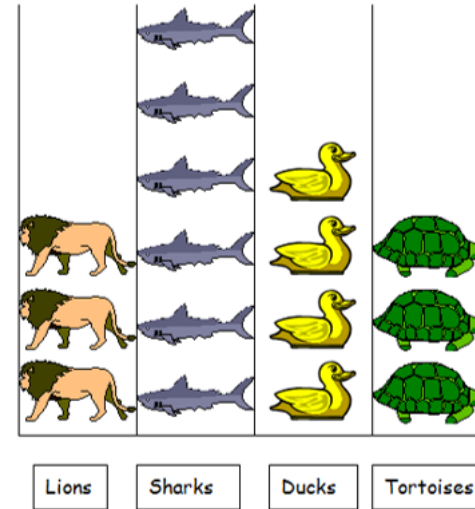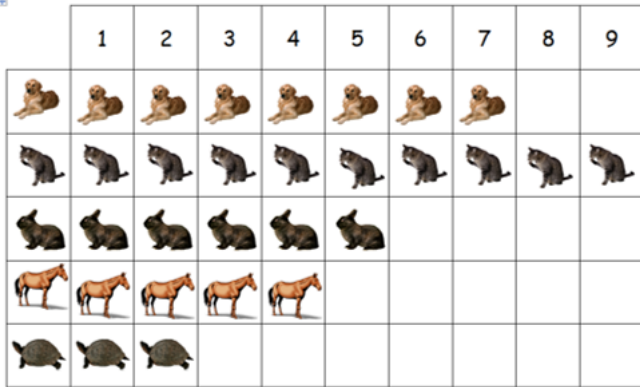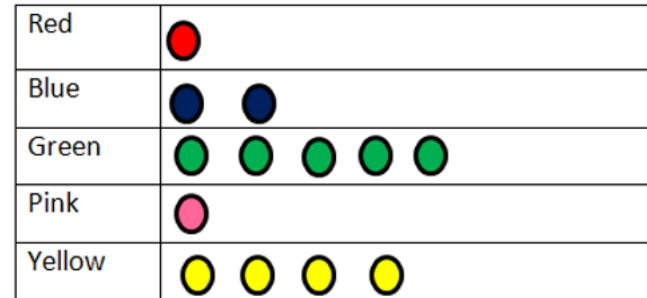

	1	2	3	4	5	6	7	8	9

[x] 4
[ ] 5
[ ] 9
[ ] 8
There are 9 cats and 5 rabbits, so the difference is 4

10. **How many more children chose green than pink as their favourite colo**

Red	
Blue	
Green	
Pink	
Yellow	

Key = 2 children

[ ] 6
[ ] 4
[x] 8
[ ] 12
10 children chose green, only 2 children chose pink