Grade 1

Data Handling & Graphs

Learn to collect, sort, count, read and represent simple data.

Name: _____ Date: _____

Data Detective

Page 2 — Count & Tally

Look at the fruit names and complete the tally table.

Apple Apple Banana Apple Orange Banana Orange Apple

Fruit	Tally	How many?
Apple	_____	_____
Banana	_____	_____
Orange	_____	_____

Which fruit appears most? _____

Which fruit appears least? _____

Page 3 — Picture Graph

Each ■ represents 1 child. This graph shows favourite fruits.

Fruit	Picture Graph	Number
Apple	■ ■ ■ ■ ■	5
Banana	■ ■ ■	3
Orange	■ ■ ■ ■	4
Grapes	■ ■	2

1. Which fruit is most popular? _____

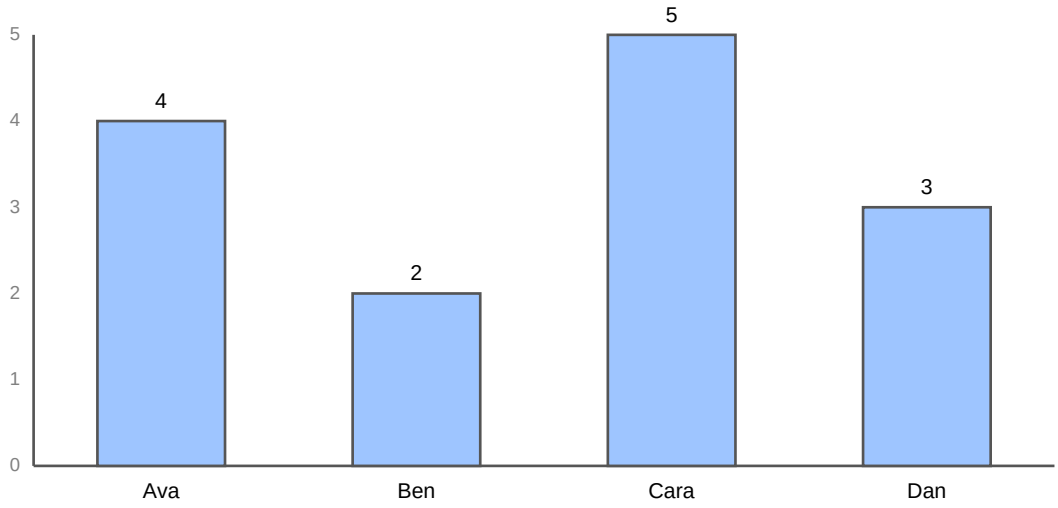
2. Which fruit is least popular? _____

3. How many children chose banana? _____

4. How many children chose apple and orange altogether? _____

Page 4 — Read a Bar Graph

The bar graph shows the number of books read by four children.



1. Who read the most books? _____
2. Who read the fewest books? _____
3. How many books did Cara read? _____
4. How many books did Ava and Dan read altogether? _____

Page 5 — Sort the Data

A class was asked which pet they like best.

Dog, Cat, Dog, Fish, Cat, Dog, Rabbit, Cat, Fish, Dog

Pet	Tally	Total
Dog	_____	_____
Cat	_____	_____
Fish	_____	_____
Rabbit	_____	_____

Which pet is the most popular? _____

How many children chose fish or rabbit altogether? _____

Page 6 — Ask & Answer

Use the data below to answer the questions.

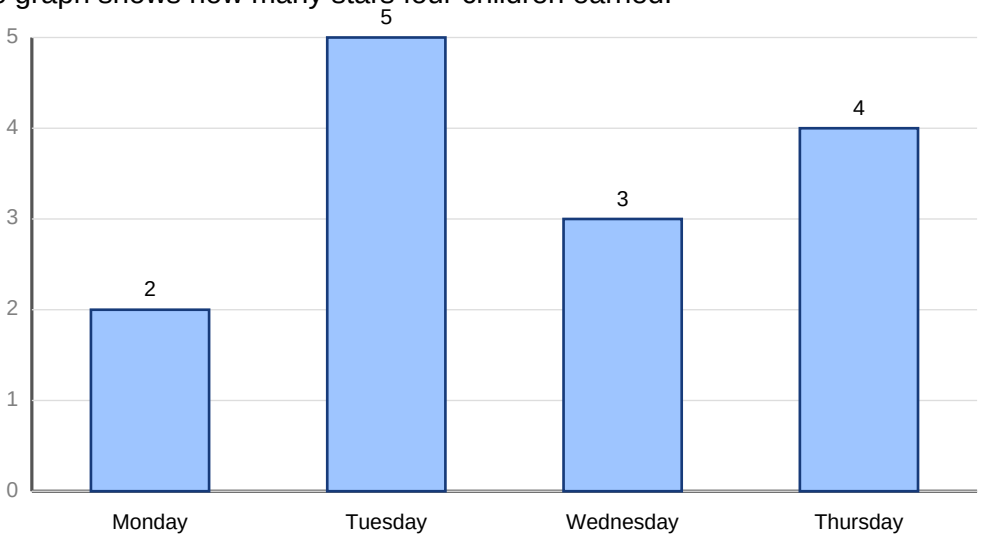
Colour	Number of counters
Red	6
Blue	4
Green	2
Yellow	5

1. Which colour has 6 counters? _____
2. Which colour has the fewest counters? _____
3. How many red and yellow counters are there altogether? _____
4. How many more blue counters than green counters? _____
5. How many counters are there altogether? _____

Page 7 — Read a Simple Bar Graph

Look at the bar graph. Then answer the questions.

The graph shows how many stars four children earned.



1. Who earned the most stars? _____
2. Who earned the fewest stars? _____
3. How many stars did Tuesday have? _____
4. How many more stars did Tuesday have than Monday? _____
5. How many stars did Wednesday and Thursday have altogether? _____
6. Put the days in order from fewest to most stars: _____

Remember: Read the height of each bar carefully.

Page 8 — Most, Least & Compare

Look at the data and complete the sentences.

Game	Children
Football	7
Swimming	5
Tennis	3
Cycling	6

1. Most popular: _____
2. Least popular: _____
3. How many more children chose football than tennis? _____
4. How many children chose swimming and cycling altogether? _____
5. Put the games in order from least to most popular: _____

Page 9 — Mini Survey

Ask 5 people which season they like best. Record the answers.

Person	Favourite season
1	_____
2	_____
3	_____
4	_____
5	_____

Now count your results:

Summer: _____ Winter: _____ Spring: _____ Autumn/Fall: _____

Which season was most popular? _____

Page 10 — Super Data Detective Challenge

Use the table to solve the questions.

Snack	Votes
Apple	4
Sandwich	6
Yogurt	3
Banana	5

1. Which snack got the most votes? _____
2. Which snack got the fewest votes? _____
3. How many votes did apple and banana get altogether? _____
4. How many more votes did sandwich get than yogurt? _____
5. How many votes were there altogether? _____
6. If 2 more children vote for yogurt, how many votes will yogurt have? _____
7. Write the snacks from most votes to least votes: _____

Page 11 — Teacher Answer Key

Page 2 — Count & Tally
Apple 4, Banana 2, Orange 2. Most: Apple. Least: Banana and Orange (tie).

Page 3 — Picture Graph
Most: Apple. Least: Grapes. Banana: 3. Apple + Orange: 9.

Page 4 — Read a Bar Graph
Cara. Dan. Cara: 5. Ava + Dan: 7.

Page 5 — Sort the Data
Dog 4, Cat 3, Fish 2, Rabbit 1. Most: Dog. Fish + Rabbit: 3.

Page 6 — Ask & Answer
Red. Green. 11. 2. 17.

Page 7 — Read a Simple Bar Graph
1) Tuesday 2) Monday 3) 5 4) 3 5) 7 6) Monday, Wednesday, Thursday, Tuesday.

Page 8 — Most, Least & Compare
Football. Tennis. 4. 11. Tennis, Swimming, Cycling, Football.

Page 9 — Mini Survey
Answers vary because children collect their own data.

Page 10 — Super Data Detective
Sandwich. Yogurt. 9. 3. 18. 5. Sandwich, Banana, Apple, Yogurt.