



He has made two tables to record the shapes.

a) Complete the tables.

Colour	Frequency	Shape	Frequency
red	٩	triangle	
blue		square	
yellow	2	circle	

b) Use your tables to complete and label the axes on the graphs.



- c) Esther looks at Huan's graphs and says that the most popular shape is a red square.
  - Is Esther correct?
  - Explain your answer.

Filip and Annie go on a jungle walk

Here is a table of the animals Filip sees.

Animals	Frequency
snakes	6
monkeys	12
elephants	2
crocodiles	1
parrots	6

- a) Which animal did Filip see the most?
- **b)** How many different types of animals did he see?
- c) How many animals did he see altogether?
- d) Which animals did he see with the same frequency?

- e) Filip wanted to see a tiger, but did not see one. How could he add this to his table?
- f) Annie saw twice as many monkeys as Filip. Do you think she saw twice as many snakes? Explain your answer.



Here is a list of shoe sizes in a class.

3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5, 6, 6

Record the sizes in a frequency table.



The table shows numbers of passengers in cars recorded one morning outside a school.

Number of passengers	Number of cars
1	3
2	4
3	1
4	5
5	2

- a) Ron is working out the total number of passengers. He gets 15. What mistake has he made?
- b) Scott and Alex are working out the total number of passengers.

Scott's method	Alex's method
1 + 1 + 1 +	1 × 3 +
2 + 2 + 2 + 2 +	2 × 4 +
3 +	3 × 1 +
4 + 4 + 4 + 4 + 4 +	4 × 5 +
5 + 5	5 × 2
= 44	= 44

What is the same and what is different between Scott and Alex's methods? Which method do you prefer?

## Read and interpret ungrouped frequency tables



- e) Filip wanted to see a tiger, but did not see one. How could he add this to his table?
- f) Annie saw twice as many monkeys as Filip.
  Do you think she saw twice as many snakes?
  Explain your answer.
- Here is a list of shoe sizes in a class.

3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5, 6, 6

Record the sizes in a frequency table.



The table shows numbers of passengers in cars recorded one morning outside a school.

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= 44	= 44

What is the same and what is different between Scott and Alex's methods? Which method do you prefer? Students counted how many pencils they have in their pencil case.

They recorded the information in a table.

Number of pencils	Frequency	Total frequency
0	2	
1	15	
2	3	
3	5	
4	0	
5	2	

a) Complete the sentences.



**b)** Find the total number of pencils the students have.

The table shows the numbers of pets some students have. Some information is missing from the table.

Number of pets	Number of students
0	5
1	14
2	8
3	
4	4

The students have 61 pets in total.

How many students have 3 pets?

