

Lesson 3: Carroll diagrams

- Record, organise, represent and interpret data in Carroll diagrams

You will need

- Survey results

- 1 Write the numbers in the correct sections on the the Carroll diagram.

345 417 124 208 736 453 319 602 863 780 204 576

Less than 500	Not less than 500

- 2 4 learners like playing football. 5 learners do not like playing football.

Write the numbers in the correct sections on this Carroll diagram.

Like football	Do not like football

How many learners were asked?

- 3 Write the numbers in the correct sections on the Carroll diagram.

45 20 57 95 102 130 81 136

	Multiple of 5	Not multiple of 5
Even number		
Not even number		

What does the bottom right-hand section show us?

- 4 Class 4 wanted to know what types of books learners prefer to read. The categories were: fantasy fiction, realistic fiction and non-fiction.

- a Use the Survey results to complete the Carroll diagram.

Write names:

	Fantasy fiction	Not fantasy fiction
Non-fiction		
Not non-fiction		

Class 4s favourite book types

Name	Fantasy fiction	Realistic fiction	Non-fiction
Julia	✓		✓
Amya		✓	✓
Ben	✓		
David	✓	✓	
Jamal			✓
Linus	✓	✓	✓
Mia		✓	
Omar	✓		
Pia	✓	✓	
Rahim		✓	✓
Sarah	✓		
Savinda			✓
Savinda	✓		✓
Zuber	✓	✓	✓

- b Write three statements from the data in the Carroll diagram.

- 5 Imani made this Carroll diagram.

	Less than 20	Not less than 20
Odd	25, 11, 13, 15, 17, 19, 21, 23	10, 12, 14, 16, 18
Not odd		20

He has made mistakes.

- a Write the numbers correctly in this Carroll diagram.

	Less than 20	Not less than 20
Odd		
Not odd		

- b Write three statements from the data in the Carroll diagram.