

Analysing data

CAPS Statement

Data Handling

Analyse data by answering questions related to:

- data categories, including data intervals
- data sources and contexts
- central tendencies (mode and median)

Note

You will learn how to:

categorise data

determine the mode from the median

analyse and determine central tendencies.

Remember: The middle number in a sorted list is called the **median**.

The number that occurs most in a list is the **mode**.

Activity 1

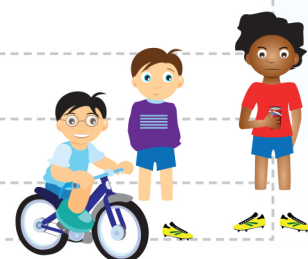
The following is a list of ages of children playing in a park:

6	2	4	4	3	7	9	8	4	6
6	4	10	5	9	6	6	6	5	7

a List the ages from youngest to oldest. _____

b Complete the table below, which shows how many children there are of each age:

2	x
3	x
4	xxx
5	x
6	
7	
8	
9	xx
10	x



c How old are most of the children in the park? _____.

What is this number called? _____.

d Is the median and mode the same for this example? _____.

Why? _____.

Activity 2

Look at the numbers below:

50 20 302 50 10 30 40 250 100 50 50

a List the numbers from smallest to largest

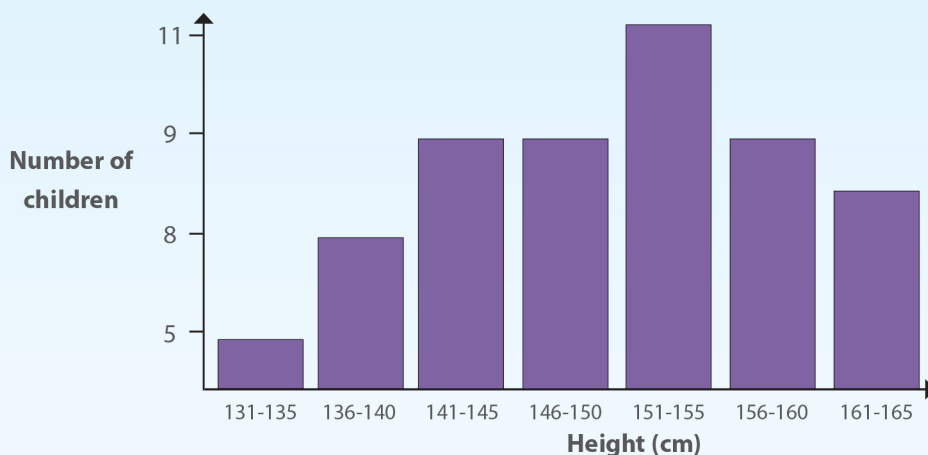
_____.

b Determine the mode: _____.

c Determine the median: _____.

Activity 3

The graph below shows the height ranges of children in Lerato's class:



a What height range do most children fall under in the class? _____.

b What height range do the least number of children fall under in the class?

_____.

c How many children have a height range of 131-135 cm? _____.

d What is the mode of the height ranges? _____.

Teacher Tip

Use childrens age in order to determine the mode from the median.

