

Identify different types of data

- 1 Complete the following sentences.
- The number of children on a bus is discrete data because ...
 - The heights of the children on the bus is continuous data because ...
 - The nationalities of the children on the bus is qualitative data because ...

- 2 Match the statements to the type of data.

number of hours of sleep

hand span

favourite sport

number of pets

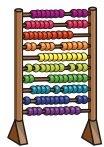
weight of school bag

continuous

qualitative

discrete

- 3 Which of these can be used to measure continuous data?



- 4 Sort these types of data into discrete or continuous data.

rainfall for the month

height of children

age in years of people in your class

number of books read by students

time it takes to complete a puzzle

how much a sunflower grows in a week

- 5 a) Which types of data can each graph or chart be used to represent?

	Qualitative	Discrete	Continuous
Bar chart			
Pie chart			
Pictogram			
Scatter graph			
Line graph			

- Draw an example of a chart showing discrete data.
- Draw an example of a chart showing continuous data.

- 6 Are the statements always true, sometimes true or never true?

Give reasons for your answers.

- Discrete data uses integers.
- Continuous data can be rounded.
- Qualitative data is words.
- You can find the average of qualitative data.

- 7 Aisha is collecting information about students in her class.

She wants to include qualitative, discrete and continuous data.

Give some suggestions for each type of data.

Qualitative

Hair colour

Discrete

Continuous

Compare answers with a partner.