

## Chapter 7 / Example 1

# Scatter diagrams

The height, and corresponding weight, of 10 students are shown in the table.

Height (cm)	182	155	174	166	158	171	179	180	168	160
Weight (kg)	90	60	84	73	68	77	84	86	74	73

Plot a scatter diagram to represent the data gathered for the 10 students.  
Describe what the scatter diagram shows you about the relationship between students' height and weight.

Open a new document and add a Lists & Spreadsheet page.

Type 'height' in the first cell.

Type the numbers 182, 155, 174, etc. in the first column.

Press **enter** or **▼** after each number to move to the next cell.

A	height	B	C	D
1	182			
2	155			
3	174			
4	166			
5	158			
AS	158			

Type 'weight' in the cell to the right of 'height'

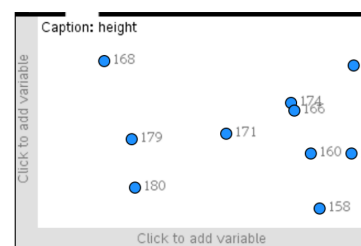
Type the numbers 90, 60, 84, etc. in the second column.

Use the **▲ ▼ ► ◀** keys on the touchpad to navigate the spreadsheet.

A	height	B	weight	C	D
1	182	90			
2	155	60			
3	174	84			
4	166	73			
5	158	68			
BS	68				

Add a new Data & Statistics page to your document by pressing **ctrl** **docv** (**⌕** **+page**) 5: Add Data & Statistics.

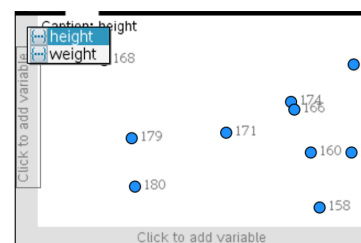
**Note:** Ignore the screen display that you see when this page first opens.



Press **menu** 2: Plot Properties | 5: Add X Variable

The GDC displays the two variables you created in the spreadsheet: 'height' and 'weight'.

Select 'height' with the touchpad.



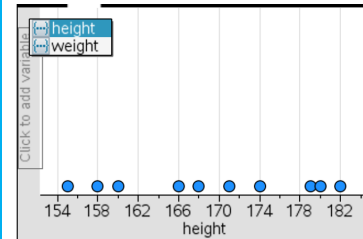
## Chapter 7 / Example 1

# Scatter diagrams

Press **menu** 2:Plot Properties | 8: Add Y Variable

The GDC displays the two variables you created in the spreadsheet: 'height' and 'weight'.

Select 'weight' with the touchpad.



The GDC displays a scatter diagram of weight against height.

In general, as height increases, weight also increases.

