

# Planting trees

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This task is about constructing and reading information from a back-to-back stem-and-leaf graph.

The kaitiaki of Kaituna Reserve planted akeake and kōhūhū trees. After 3 years they were finding out whether the akeake were taller than the kōhūhū.

They chose 30 akeake and 30 kōhūhū at random. Here are their results.

Akeake (height in cm)					Kōhūhū (height in cm)				
146	160	166	171	175	143	153	159	162	169
149	160	167	171	178	147	154	160	165	170
151	162	167	171	179	149	156	161	166	171
153	163	168	173	181	151	157	161	166	173
155	165	170	173	184	152	157	162	167	176
157	165	170	174	185	153	158	162	169	178

- a) Draw a back-to-back stem-and-leaf graph for this data.  
The graph has been started for you.

**Akeake**

**Height (cm)**

**Kōhūhū**

13  
14  
15  
16  
17  
18  
19

- b) What is the most common range of heights for the kōhūhū?

- (A) 140-149 cm
- (B) 150-159 cm
- (C) 160-169 cm
- (D) 170-179 cm

- c) Make a statement which compares the heights of the akeake with the kōhūhū.

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