

Tennis ball throw

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

At Defoe College, the Year 9 students challenged the Year 10 students to a ball throwing contest.

Each student threw a tennis ball and this distance was measured and recorded to the nearest metre.

Their results are plotted on the back-to-back stem-and-leaf graph below.

DISTANCE TENNIS BALL THROWN

Year 9 Distance
(metres) Year 10

	8	0	
	7 6 3 0	1	2 7
9 8 8 6 6 3 3 3 1 0 0	2	2 6 7 8 9	
9 9 5 4 4 2 2 0	3	1 1 2 3 4 4 6 6 8 9	
8 4 3 1	4	1 2 3 3 4 5 6 8	
1	5	2 7 7	
	6	0 2 2	

a) What was the distance of the:

i) longest throw? _____ metres

ii) shortest throw? _____ metres

b) What was the median distance thrown by:

i) Year 9 students? _____ metres

ii) Year 10 students? _____ metres

c) i) Tamiti said that Year 10 students threw the ball the furthest.
Is he correct? YES / NO (*circle one*)

ii) Explain your answer.
