

Travel time

This task is about identifying correct statements about data on graphs.

Time taken to get to school (in minutes) by students travelling from the North and South of the school

Students from the North		Students from the South
9 9 8 6 4 3 3 2	0	3 5 6 6 8 9
9 8 8 6 6 5 4 2 1 1 0	1	1 2 4 4 4 5 6 8 8
7 3 2 1 0 0 0	2	1 1 3 8 9
4 2 1	3	7 7 8
2 1	4	0 1 2
9	5	
	6	

a) The students at Ross School recorded how many minutes it took them to travel to school. They drew up a back-to-back stem-and-leaf graph. Some students made statements about the graph.
Select the statement that is true.

☐ The longest time taken to get to school is 9 minutes.

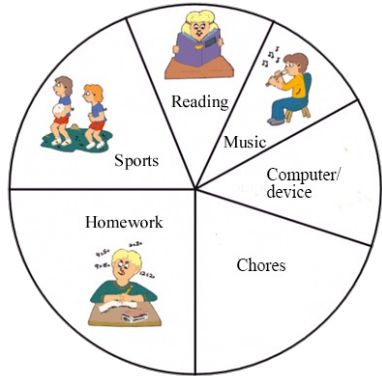
☐ Half the students take less than 30 minutes to get to school.

☐ The range of times it takes to get to school is greater for students from the South than the North.

☐ The shortest time taken to get to school is 1 minute.

☐ Most students take less than 40 minutes to get to school.

Most Common After-School Activities of Year 7 Students



b) Cath drew a pie graph to show the most common after-school activities of Year 7 students at school. She wrote five statements about her graph.
Select the statement that is true.

☐ 25% of students go to sports practice.

☐ More students go to sports practice than do homework.

☐ The same number of students play on the computer as do chores.

☐ The least number of students have a music lesson.

☐ More than $\frac{1}{4}$ of the students do homework.