

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

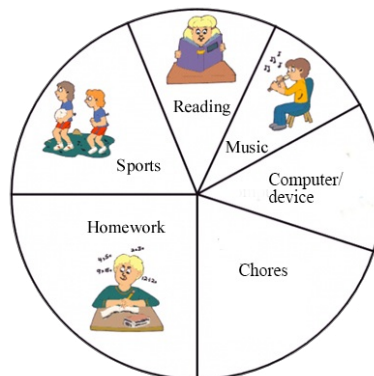
Students from the North	Students from the South
9 9 8 6 4 3 3 2	0 3 5 6 6 8 9
9 8 8 6 6 5 4 2 1 1 0	1 1 2 4 4 4 5 6 8 8
7 3 2 1 0 0 0	2 1 1 3 8 9
4 2 1	3 7 7 8
2 1	4 0 1 2
9	5
	6

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.

- | | | |
|---|---|---|
| <input type="radio"/> The longest time taken to get to school is 9 minutes. | <input type="radio"/> Half the students take less than 30 minutes to get to school. | <input type="radio"/> The range of times it takes to get to school is greater for students from the South than the North. |
| <input type="radio"/> The shortest time taken to get to school is 1 minute. | <input type="radio"/> 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.

- | | | |
|---|---|--|
| <input type="radio"/> 25% of students go to sports practice. | <input type="radio"/> More students go to sports practice than do homework. | <input type="radio"/> The same number of students play on the computer as do chores. |
| <input type="radio"/> The least number of students have a music lesson. | <input type="radio"/> More than $\frac{1}{4}$ of the students do homework. | |