

Comparing groups: Student worksheet

<http://topdrawer.aamt.edu.au/Statistics/Assessment/Assessment-tasks/Comparing-two-groups>

Source: © Jane Watson.

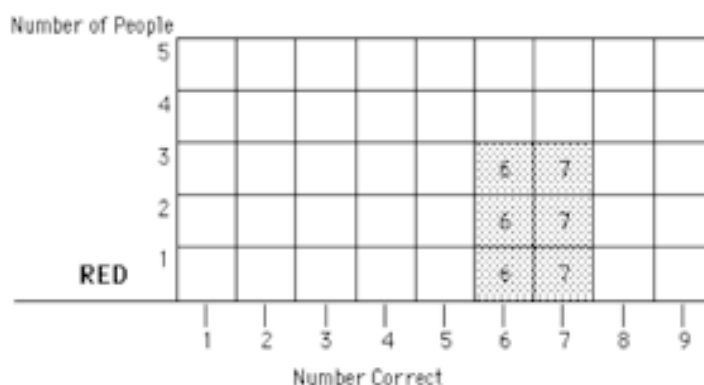
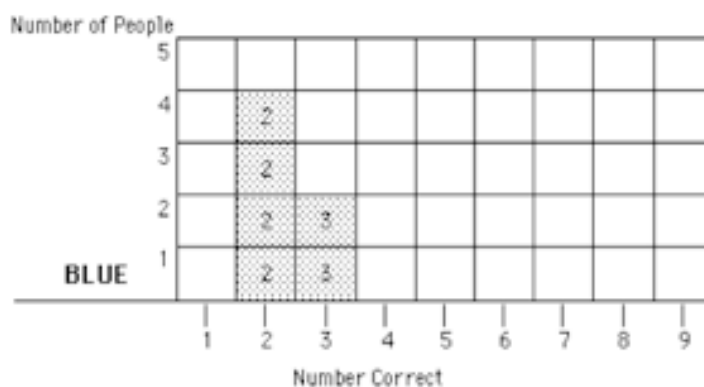
Two schools are comparing some classes to see which is better at quick recall of nine maths facts. In each part of this question you will be asked to compare different classes.

First consider two classes, the *Blue* class and the *Red* class. The scores for the classes are shown on the charts below.

Each shaded box is one person's test, and the number inside is their score.

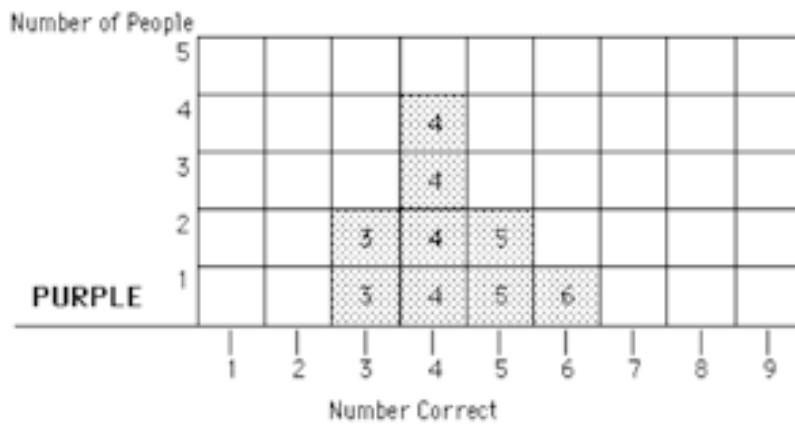
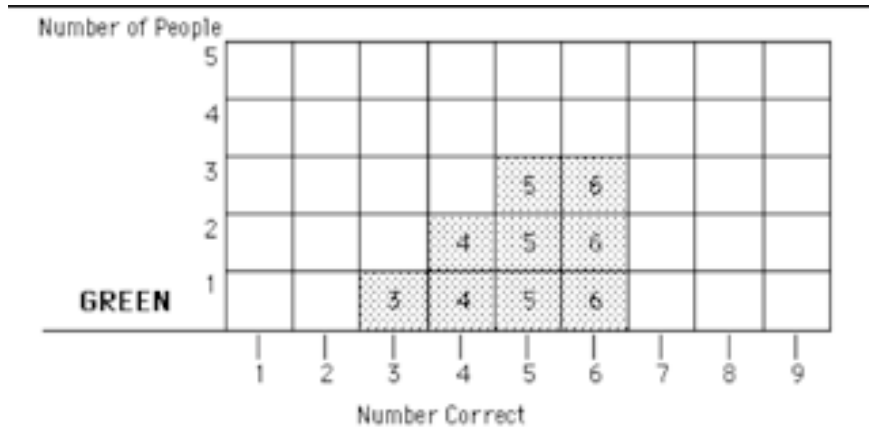
In the *Blue* class, four people scored two correct and two people scored three. In the *Red* class, three people scored six correct and three people scored seven.

Now look at the scores for all of the students in each class and then answer the question: did the two classes (*Red* and *Blue*) score equally well, or did one of the classes score better? Explain how you decided.



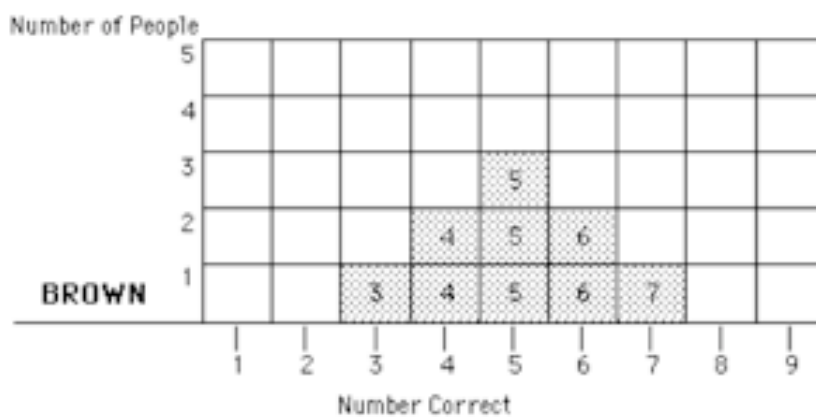
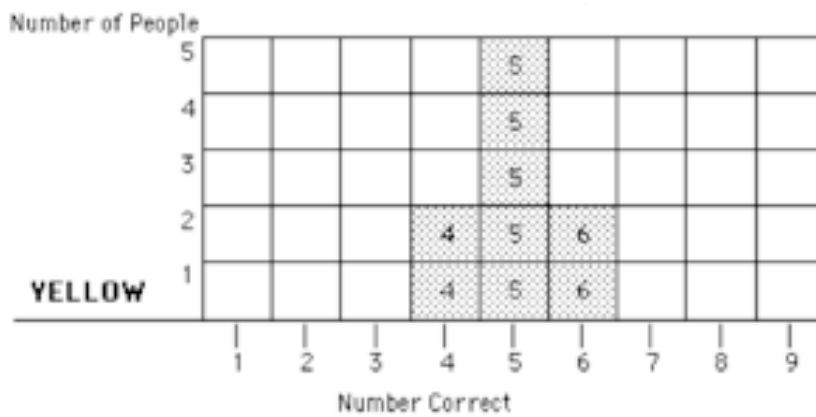
Now consider two more classes, the *Green* class and the *Purple* class. The scores for the two classes are shown in the charts.

Look at the scores for all of the students in each class and then answer the question: did the two classes (*Green* and *Purple*) score equally well, or did one of the classes score better? Explain how you decided.



Now consider two more classes, the *Yellow* class and the *Brown* class. The scores for the two classes are shown in the charts.

Look at the scores for all of the students in each class and then answer the question: did the two classes (*Yellow* and *Brown*) score equally well, or did one of the classes score better? Explain how you decided.



Finally consider two more classes, the *Pink* class and the *Black* class. We have not written the scores in the boxes on these graphs, but they are still across the bottom. Look at the scores for all students in each class and then answer the question: Did the two classes (*Pink* and *Black*) score equally well, or did one of the classes score better? Explain how you decided.

