

Possible Solutions

The table below shows the number of people who went to a movie each night on four nights.

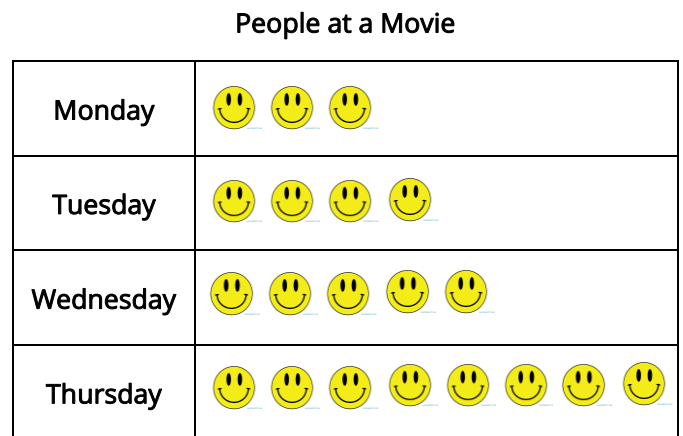
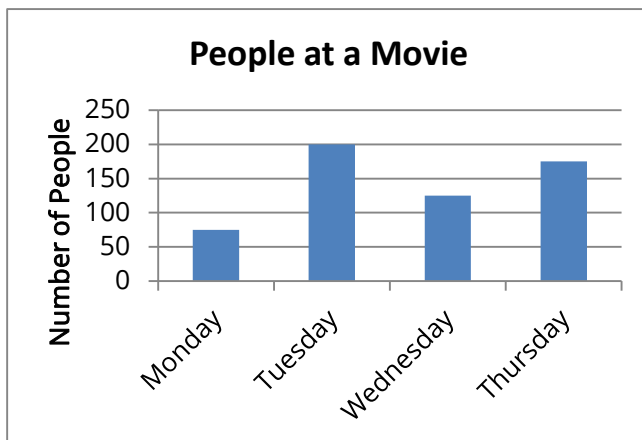
Night	Monday	Tuesday	Wednesday	Thursday
Number of People	75	200	125	175

a) Which graph represents the data in the table?

The bar graph represents the data in the table. The length of the bar for Monday corresponds to 75 people on the scale on the left. The length of the Tuesday bar corresponds to 200, the length of the Wednesday bar corresponds to 125, and the length of the Thursday bar corresponds to 175. These all match the information given in the table about the number of people at the movie each night.

b) Which graph does not represent the data in the table? Explain your thinking.

The information in the pictograph does not match the information for every night in the table. The happy face symbol represents 25 people. On Monday there are 3 symbols, so $25 + 25 + 25$ or 75 people went to the movie. That matches with Monday. On Tuesday there are 4 symbols, so $25 + 25 + 25 + 25$ or 100 people went to the movie. That does not match the information in the table. So this graph is not correct.



Each 😊 represents 25 people.