Grade 7 Maths Worksheet

Drawing of graphs

Questions:

1.   Leonard conducted a survey in his homeroom class which consists of 32 learners. He wanted to know which denim brand is favoured by his class mates. Some learners chose more than one option. His tally table is as follows:

Brand	Tally
Levi Jeans	ЖЖЖ
Soviet Jeans	ЖЖ I
River Trader	Ж II

a)   If there were 3 people absent, how many of his classmates possibly liked more than one brand of Jeans? Explain.

b)   Choose two graphs that will best represent this data, and draw them both.

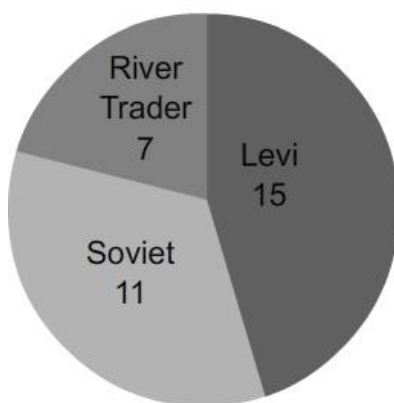c)   Discuss the different graphs, and give a thorough explanation of what is the same in them, and what is different.
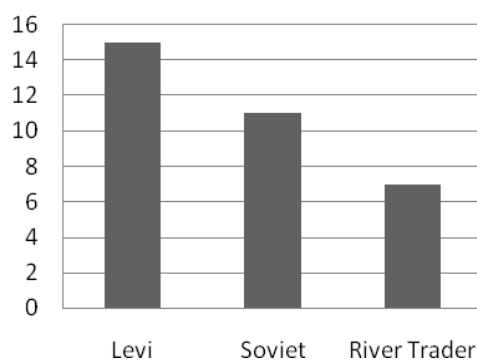
Solution

1. a) If there were 3 learners absent from the class of 32, then 29 learners exercised their choice. The tally table shows that $6 \times 5 + 3 = 33$ people actually took part in the survey. That would mean that 33 − 29 = 4 people liked more than one brand.

b)

Jeans of Choice

c) Both graphs show the information in categories. The bar graph indicates the frequencies vertically and the categories are shown horizontally, whilst the pie chart shows the category by the area taken up of the pie, and also by indicating the number on the graph (slice).

Appendix of Assignment Tools
Tally tables
Pie Charts
Bar graphs
Histograms
Line graphs