Minitab® 17

Simple Bar Chart of Counts

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You are a quality engineer for a company that makes door panels for automobiles. Each week, some panels are rejected because of paint flaws. Create a bar chart with data labels to determine the number of rejected panels for each type of paint flaw in a week.

1 Open the worksheet Exh_qc.MTW.
2 Choose **Graph > Bar Chart**.
3 From **Bars represent**, choose **Counts of unique values**.
4 Choose **Simple**, then click **OK**.
5 In **Categorical variables**, enter *Flaws*.
6 Click **Labels,** then click the **Data Labels** tab.
7 Under **Label Type**, choose **Use y-value labels**. Click **OK**.
8 Click **Chart Options**. Under **Order Main X Groups By**, choose **Decreasing Y**.
9 Click **OK** in each dialog box.

Interpreting the results

The bar chart shows that the most frequent flaw is Peel (15), followed by Scratch (13). The counts for Other and Smudge are the same (6).

Tip To see a bar's y-axis value, hover your cursor over the bar.

Note For defect data, you may also want to try **Stat > Quality Tools > Pareto Chart**.