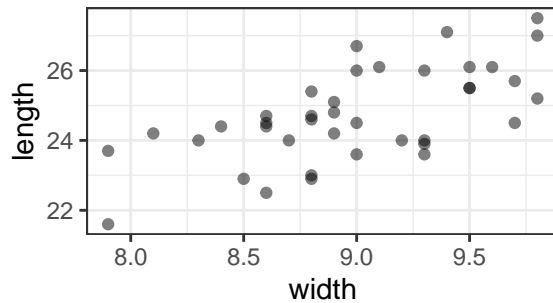Quiz 1   Name

1 What is the "most important template" for creating graphical and numerical summaries in R?

2 Use the template to give the command needed to produce the following results, all of which use the KidsFeet data set. The first few rows of this data set are shown below.

```
head(KidsFeet,3)

   name birthmonth birthyear length width sex biggerfoot domhand
1 David          5        88   24.4   8.4   B          L       R
2  Lars         10        87   25.4   8.8   B          L       L
3  Zach         12        87   24.5   9.7   B          R       R
```
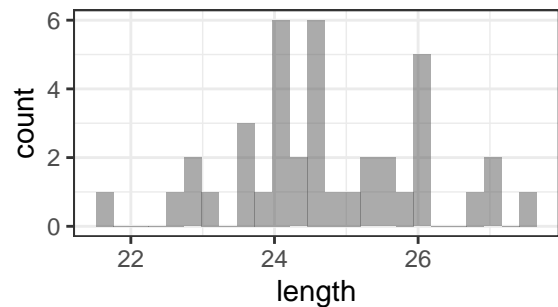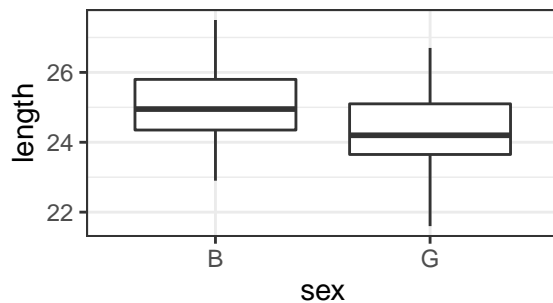
a) A scatter plot of length vs width

c) A histogram of lengths of kids' feet.

b) Side-by-side boxplots of lengths of kids' feet for boys and girls.

d) Mean foot length for boys and girls.

```
  response sex      mean
1   length   B 25.10500
2   length   G 24.32105
```

3 Sketch one or more plots that would be useful for addressing this question: Do smokers tend to be shorter than non-smokers? What R command would you use to create your plot(s)? (You can make up good variable names.)