Goal - Connect to the Diamonds data set (text file) with PowerBI and create visuals.

You are asked to answer the following questions as visualisations (as many as you can in the time):

Page 1 (1st Tab)

1. Display number of diamonds of each colour  
   Use Stacked bar chart
2. Display number of diamonds of each cut  
   Use Pie chart
3. Display number of diamonds of each clarity  
   Use Stacked column chart
4. Display number of diamonds of each clarity  
   Use Treemap

Page 2 ( consider how you will fit everything in one view. Can you use slicers or filters? )

1. What is total number of diamonds in the dataset?  
   Use card
2. What is the maximum table?  
   Hint: have a look at the data provided to find out what that is  
   Use card
3. What is the size of the largest diamond?  
   Hint: diamond sizes are measured in carats  
   Use card
4. How much does the most expensive diamond cost?  
   Use card
5. What is the size of the most expensive diamond?  
   Use table
6. How much does the largest diamond cost?  
   Use table
7. What colour is the maximum table?  
   Use table
8. How much does the maximum table cost?  
   Use table
9. Display five the most popular carats with counts
10. Display colour, clarity, size, and price of 2 smallest diamonds  
    Hint: this is tricky question
11. Find average price, average carat, and number of diamonds for each cut; display totals for each column

Page 3

1. Show how price depends on carat and clarity

Page 4

1. Display the most popular carats  
   Use Treemap
2. Display 7 the most popular carat bins (use bin size of 0.25)  
   Use Treemap (with TOP 7 filter)

Page 5

1. Demonstrate the relationship between carat and average of depth  
   Use Line chart

Page 6

1. Demonstrate the relationship between clarity and average of depth  
   Use Stacked area chart

Page 7

1. What is the most expensive clarity?

Page 8

1. Show how cut changes with clarities

Page 9

1. Build matrix of colour by cut (showing number of diamonds, including totals)
2. Display count of diamonds by depth (use Clustered column chart)
3. Display average of price by carat bins (use Stacked area chart)