

Unit 1 (Representations and Area) Closure

Tasks

- Solve each problem as completely as you can. Remember to show all work, include labels and use the correct units whenever possible.
- Complete the Unit 1 Engaging Scenario (notebook page 46)
- Complete and review all vocabulary for chapters 1 and 2 (notebook pages 8 and 32)

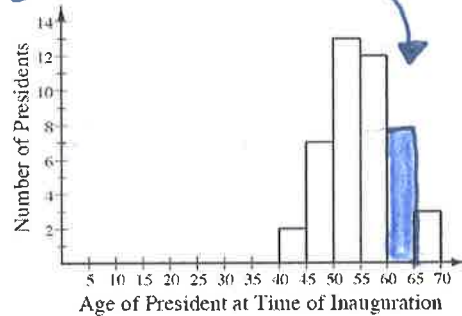
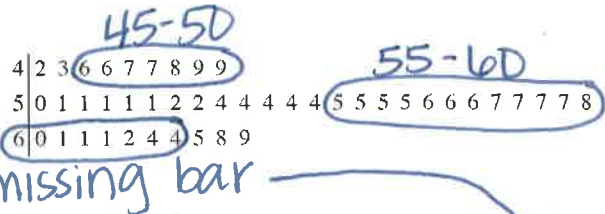
1. The **stem-and-leaf** plot below contains the age of each of the United States presidents (as of 2011) at the time of their inauguration. Use it to answer the questions that follow.

A) How old was the oldest president at the time of inauguration? 69

B) How old was the youngest president at the time of inauguration? 42

C) Look at the **histrogram** to the right, notice that a bar is missing. Use the stem-and-leaf plot above to fill in the missing bar. How did you decide how tall to make the bar?

There were 7 presidents 60-65 so I made the bar 7 tall.



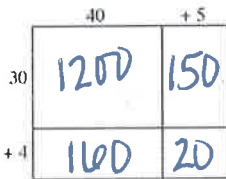
D) What is the **frequency** of presidents between 55 and 60 years old at the time of innagation? 12

Hint: **Frequency** is the rate at which something happens. It's like asking "how many" presidents were between 55 and 60.

E) What is the **difference** in frequency between presidents that were between 45 and 50 years old at the time of their innagation and presidents that were 55 to 60 years old? 5

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2. Use the **generic rectangle** to answer the following questions.



a) Complete this generic rectangle.

b) Write a numerical sentence showing the original factors and the **product**.

$$45 \cdot 34 = 1,530$$

$$\begin{array}{r} + 1200 \\ 160 \\ 150 \\ 20 \\ \hline 1530 \end{array}$$

3. Find the **area** of each figure shown below.

