

# Monday, August 27, 2018

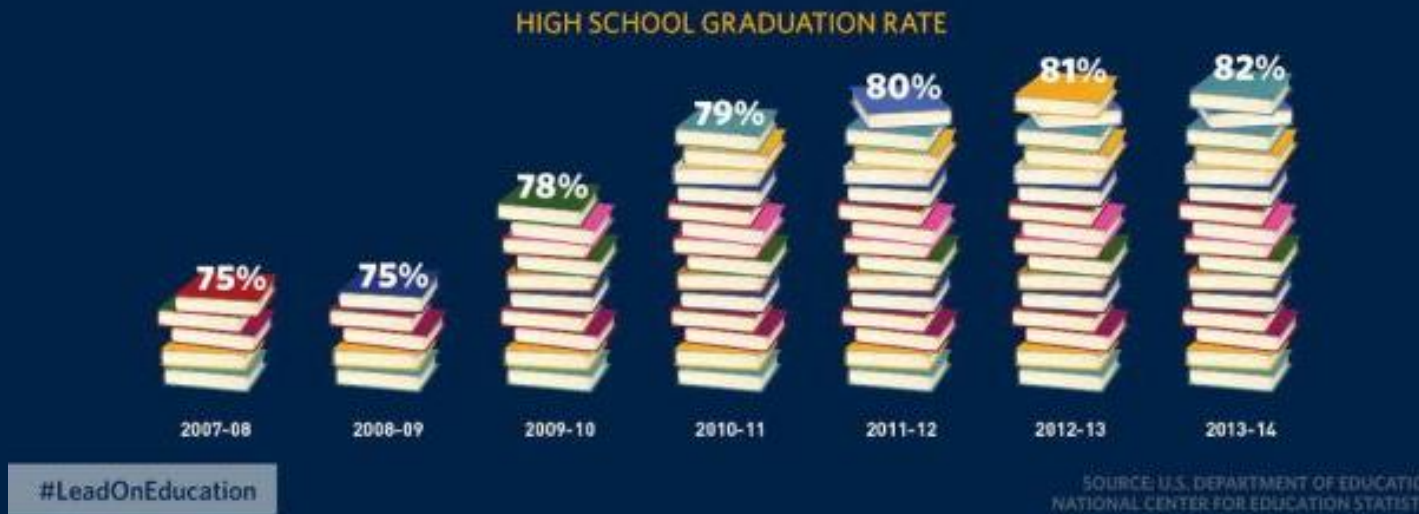
Whiteboard  
height in inches  
sex  
M/F

- Warm-up
  - What does this graph tell you about the increase in graduation rates from 2007? Is there anything misleading? Explain.

UNDER PRESIDENT OBAMA,  
**MORE STUDENTS ARE EARNING THEIR HIGH SCHOOL DIPLOMAS THAN EVER BEFORE**

- Check Homework

- More with graphing



## Objectives

- Content:** I will create graphical displays for both categorical and quantitative data and know when to use each.
- Social:** I will participate in the class activities.
- Language:** I will write my ideas about graphical displays clearly in my notes so that I can use them later.

# Using the Calculator



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# Let's look at height data

- Dot Plot
- Histogram
  - Why different than bar graph?
- Box Plot
  - scale
  - 5-number summary
  - IQR
- Stem and Leaf Plot
  - One
  - Back-to-back





context → "inches"

# Describing Distributions



**C**enter

mean  
or  
median

**U**nusual Features

- outliers
- gaps "none"
- clusters

**S**hape - "symmetric"

"skewed"

tail

left  
or  
right

**S**pread

IQR  
range

standard  
deviation

in context

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HOMEWORK:

page 72 (5-8)

