# Monday, September 10,2018 

| Test grades |  |
| :---: | :--- |
| stem | leaf |
| 4 | 2 |
| 5 |  |
| 6 | 7 |
| 7 | 3 |
| 8 | 8 |
| 9 | 14 |

- Revisit Candy Bar data
- Mean:
- Standard deviation.

$$
\bar{x}=8.925, \mu=
$$

$$
s=0.44 \quad \sigma=0.4^{3}
$$

- Model...

Normal


# 1) What if talue off the wrapper? 

$$
\begin{aligned}
& \text { Whet lif l connoopt e๐ } \\
& \text { Ounces } \\
& S_{x \rightarrow\left(\frac{8.925}{28.35}\right.}^{\frac{0.44}{28.35}}
\end{aligned}
$$




Using the data
What is the probability of finding a candy bar smaller than "expected"? whole -100\%


## Practice with Empirical Rule



2. Wat ic the probating
$114 l l e^{2}$ ?

1. What $i$ the probability that 20
and 64 years?

2. What prcentof the population minute?
3. What per cen minute?
 2. $\begin{aligned} & 122+P \\ & 124.6 ?\end{aligned}$

Homework:

$$
\begin{aligned}
& \text { dP131 } \\
& (25,26, \\
& 29,30)
\end{aligned}
$$

