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Date: 1/5/09<http://www.mathvizza.com>Bell WorkDirections: Please simplify the following.

1. $8^{2/3} = \sqrt[3]{8^2} = 2^2 = 4$



2. $(2x + 4) - (3x - 9)$

$(2x+4) - (3x-9) = -x+13$

3. $\frac{(3a)^{-2}}{(3a)^1}$

-27

$(3a)^{-3} = \frac{1}{(3a)^3} = \frac{1}{27a^3}$

Objectives

1. The students will comprehend vocabulary pertaining to box and whisker plots.
2. The students will create box and whisker plots.

Vocabulary

1. minimum - the smallest number in a data set.

2. maximum - the biggest number in a data set.

3. quartiles - For ordered data, the 4 consecutive subsets containing 25% of the data

4. range - $\cdot \text{---} Q_1 \text{---} Q_2 \text{---} Q_3 \text{---} \cdot$
 maximum - minimum

5. interquartile range - $IQR \rightarrow Q_3 - Q_1$ middle 50% range

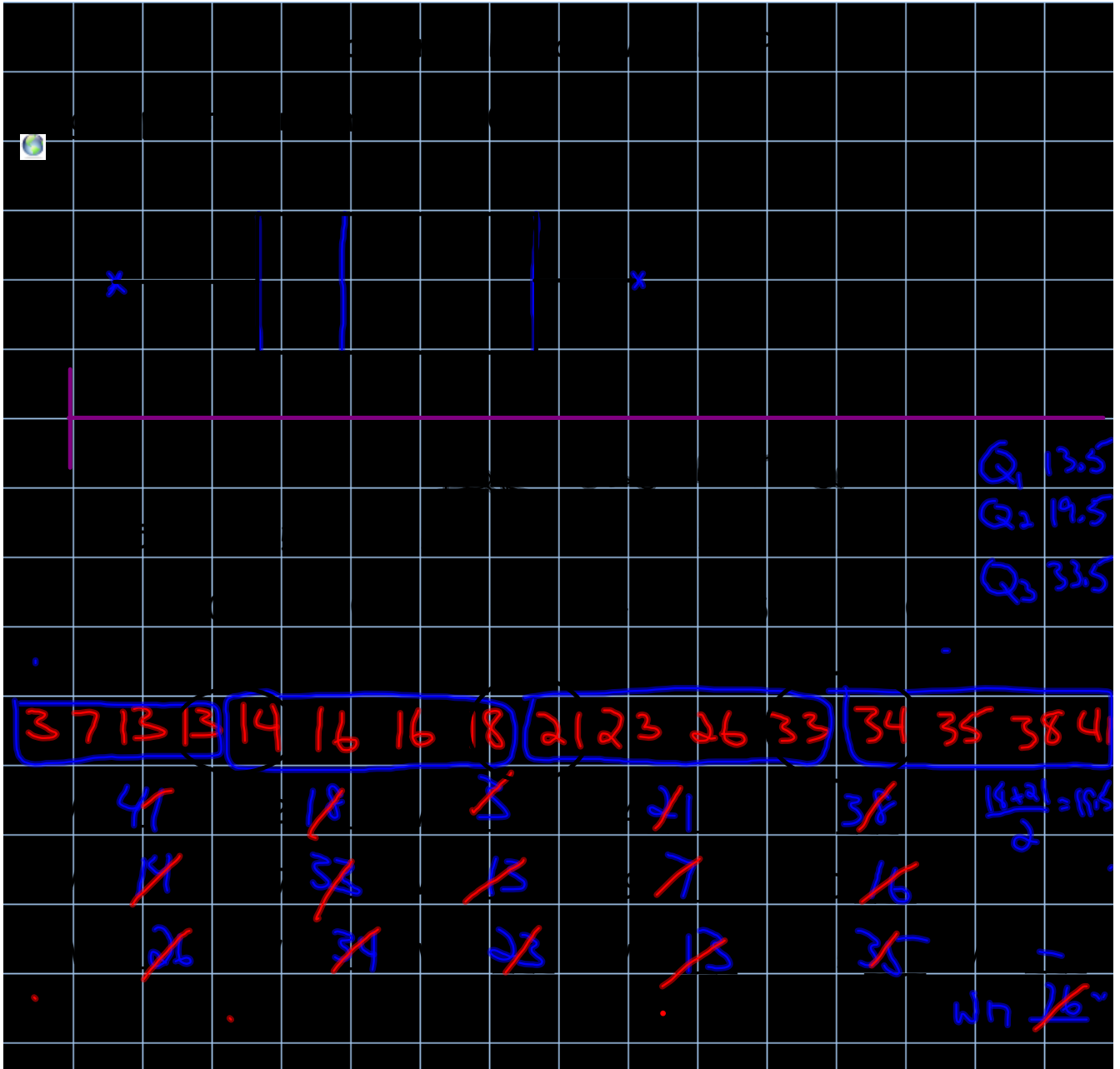
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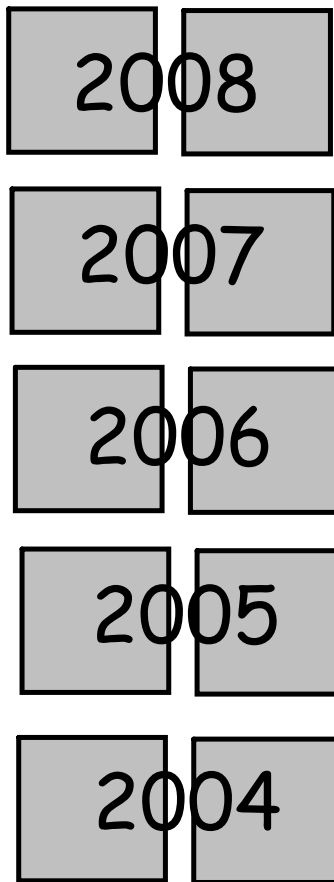
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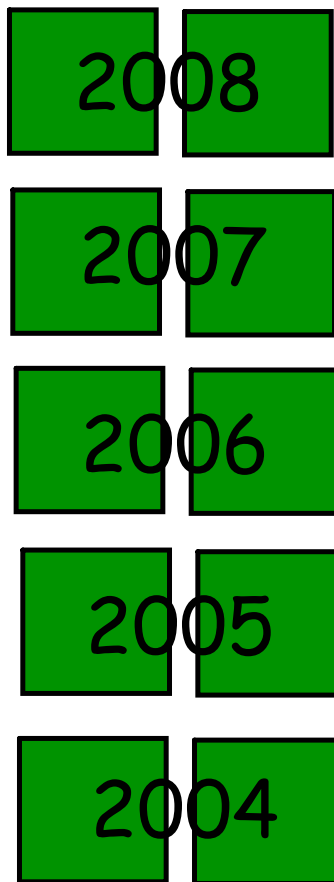


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