

M7H

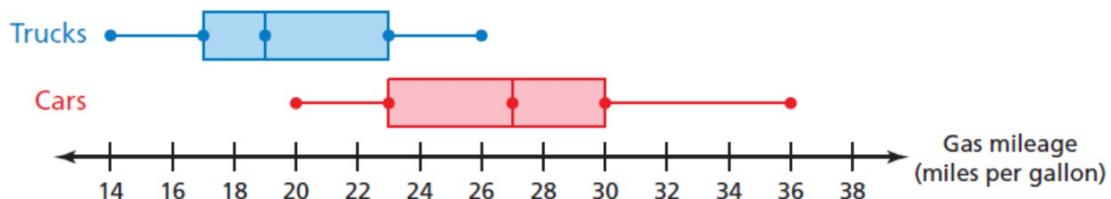
# April 25, 2012

## Get out your homework



## 4/25 - Using Box-and-Whisker Graphs to Compare Data

The double box-and-whisker plot shows the gas mileages of random samples of cars and trucks. Compare the gas mileages of cars to the gas mileages of trucks.

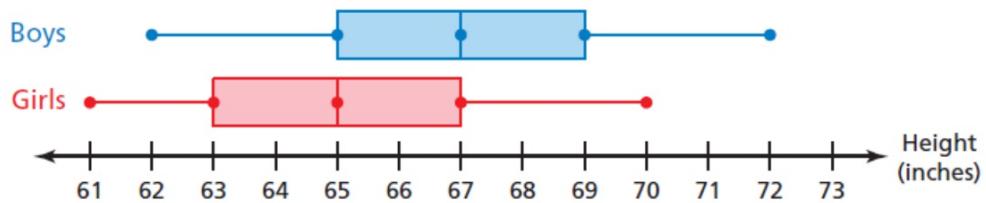


**Trucks:** The third quartile is 23 miles per gallon. So, 25% of the trucks get 23 miles per gallon or *more*.

**Cars:** The first quartile is 23 miles per gallon. So, 75% of the cars get 23 miles per gallon or *more*.

- In general, cars get better gas mileage than trucks.

## Compare:

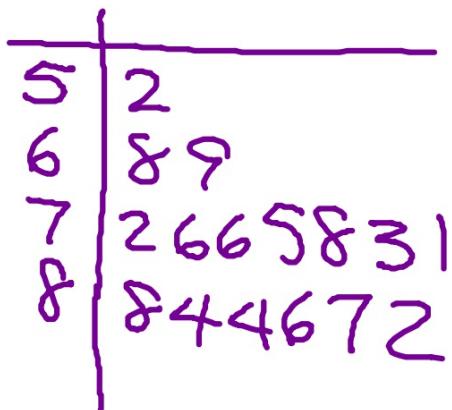


- Boys, in general, are taller than girls
- At 67", there are 25% of the girls who are taller
- At 67" there are 50% of the boys who are taller.

**GRADES** Each table shows a random sample of test grades in a class. Create a double box-and-whisker plot of the data. Compare the two data sets.

Grades in Mr. Smith's Class			
72	68	84	87
76	75	52	73
88	84	69	71
76	78	86	82

Grades in Mrs. Higsbee's Class			
85	88	93	78
76	65	71	86
90	96	85	88
79	90	82	94



# **Homework**

Red Journal pg 204b

**Due** Thursday