Mean, Median, Mode, Range Worksheet Answer Key

"There are three kinds of lies: lies, [blasted] lies, and statistics."
Guess which one you'll be working on.

1. Find the mean: 26, 42, 50.

   $\frac{26 + 42 + 50}{3} = \frac{118}{3} = 39\frac{1}{3}.$

2. Find the median: 7, 11, 35, 4, 14, 23, 4, 7, 11, 14, 23, 35.

   $\frac{11 + 14}{2} = 12.5.$

3. Find the mode: 2, 4, 9, 11, 35, 46, 23, 2.

   Mode = 2.

4. What is the range of these numbers? 3, 11, 45, 24, 19, 99, 5.

   Lower Bound: 3, Upper Bound: 99.
   Range = 99 − 3 = 96.

5. Find the mean: 11, 22, 44, 63.5, 29, 45.

   $\frac{11 + 22 + 44 + 63.5 + 29 + 45}{6} = \frac{225}{6} = 35.75.$

6. Find the median: 45, 29.2, 64, 7, 99, 144, 86.5, 7, 29.2, 45, 64, 86.5, 99, 144.

   Median= 64.

7. Is 96 above or below the mean of the following set of numbers?
   45, 69, 112, 187.5.

   Mean= $\frac{45 + 69 + 112 + 187.5}{4} = \frac{413.5}{4} = 103.375$, so 96 is below the mean.

8. Is 4.5 above or below the median of the following set of numbers?
   $\frac{1}{4}$, 6.96, 45, $2\frac{2}{3}$, 4.5, 3.7, 6.9, $\frac{1}{4}$, $2\frac{2}{3}$, 3.7, 4.5, 6.9, 6.96, 45.

   4.5 is neither above nor below the median; it is the median.

9. What is the mode? 40, 22, 6, $2\frac{2}{3}$, π, 40, 22, 6, π, 6.

   Mode: 6.

10. What is the range? $2\frac{2}{3}$, 10, 40.

    Lower Bound: $2\frac{2}{3}$, Upper Bound: 40.
    Range = $40 - 2\frac{2}{3} = 37\frac{1}{3}.$