

## Activity 4 Assessment

### Comparing Measures of Central Tendency

Comparing Measures of Central Tendency			
<p>Orders numbers from least to greatest</p> <p>14, 19, 23, 27, 28, 33</p>	<p>Determines the mode and the median for a set of data</p> <p>There is no mode. The median is: <math>(23 + 27) \div 2</math> <math>= 50 \div 2</math> <math>= 25</math></p>	<p>Determine the mean for the data set</p> <p>14, 19, 23, 27, 28, 33</p> <p>The mean is: <math>(14 + 19 + 23 + 27 + 28 + 33) \div 6</math> <math>= 144 \div 6</math> <math>= 24</math></p>	<p>Suggests and justifies the choice of measure to represent a data set</p> <p>A person spent these amounts for 4 weekly grocery bills: \$174, \$196, \$205, \$220</p> <p>There is no mode.</p> <p>In dollars, the mean is: <math>(174 + 196 + 205 + 220) \div 4</math> <math>= 795 \div 4</math> <math>= 198.75</math></p> <p>In dollars, the median is: <math>(196 + 205) \div 2</math> <math>= 401 \div 2</math> <math>= 200.50</math></p> <p>Since the mean and median are so close in value, either measure could represent the data.</p>
Observations/Documentation			