

Cornell Notes	Name: _____
Topic: <u>Measures of Center Lesson 9.3</u>	Date: _____
	Period: _____

Essential Question: **In what other ways can you describe an average of a data set?**

Questions/Main Ideas:	Notes:
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Vocabulary	Measure of center - a measure that describes the typical value of a data set.
	Median - the middle value in a listing
	Mode - the most occurring number in a listing

Example 1	Finding the Median and Mode
Level # ____	
	90, 105, 120, 125, 135, 145, 160, 160, 175, 205
	Median:
	Mode:

Your Turn!	100, 75, 90, 80, 110, 102
	Median:
	Mode:

Example 2	Finding the Mode
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Level # ____	<div style="display: flex; align-items: flex-start;"> <div style="background-color: #fff9c4; padding: 10px; margin-right: 10px;"> <p style="text-align: center;"><i>Favorite Types of Movies</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Comedy</td><td>Drama</td><td>Horror</td></tr> <tr><td>Horror</td><td>Drama</td><td>Horror</td></tr> <tr><td>Comedy</td><td>Comedy</td><td>Action</td></tr> <tr><td>Action</td><td>Comedy</td><td>Action</td></tr> <tr><td>Horror</td><td>Drama</td><td>Comedy</td></tr> <tr><td>Comedy</td><td>Comedy</td><td>Horror</td></tr> <tr><td>Horror</td><td>Comedy</td><td>Action</td></tr> <tr><td>Horror</td><td>Action</td><td>Drama</td></tr> </table> </div> <div style="padding: 10px;"> <p>The list shows the favorite types of movies for students in a class. Organize the data in a frequency table. Then find the mode.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #d1c4e9;"> <th>Type</th> <th>Tally</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>Action</td><td></td><td></td></tr> <tr><td>Comedy</td><td></td><td></td></tr> <tr><td>Drama</td><td></td><td></td></tr> <tr><td>Horror</td><td></td><td></td></tr> </tbody> </table> </div> </div>	Comedy	Drama	Horror	Horror	Drama	Horror	Comedy	Comedy	Action	Action	Comedy	Action	Horror	Drama	Comedy	Comedy	Comedy	Horror	Horror	Comedy	Action	Horror	Action	Drama	Type	Tally	Frequency	Action			Comedy			Drama			Horror		
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Example 3 Choosing the Best Measure of Center

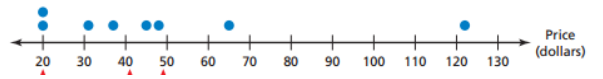
Level # _____



Mean:

Median:

Mode:



Summary: Students should write a summary reflecting the above essential question.
