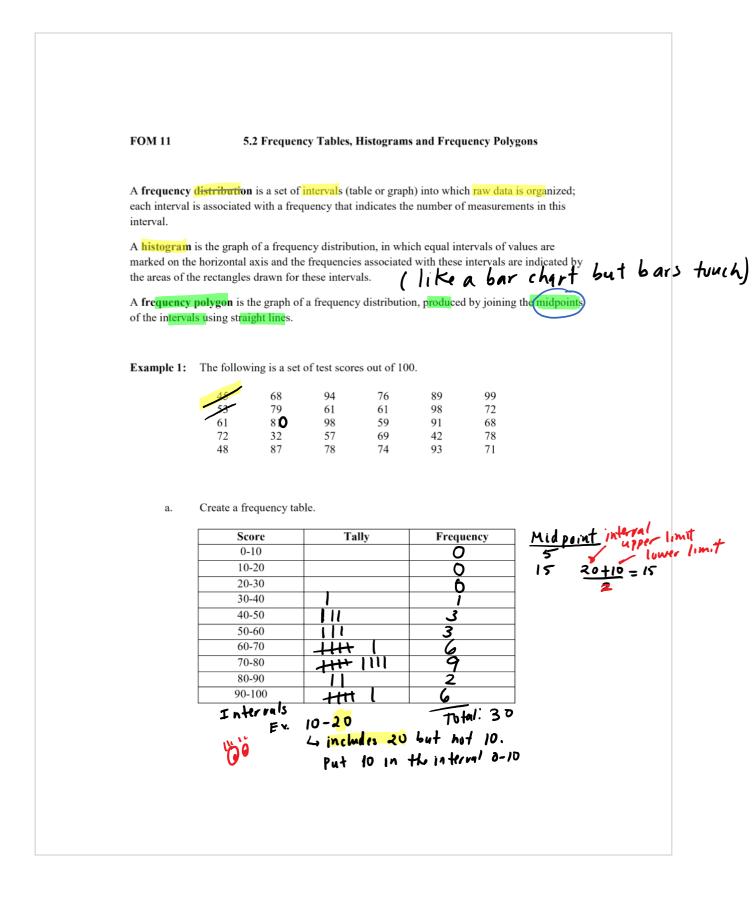
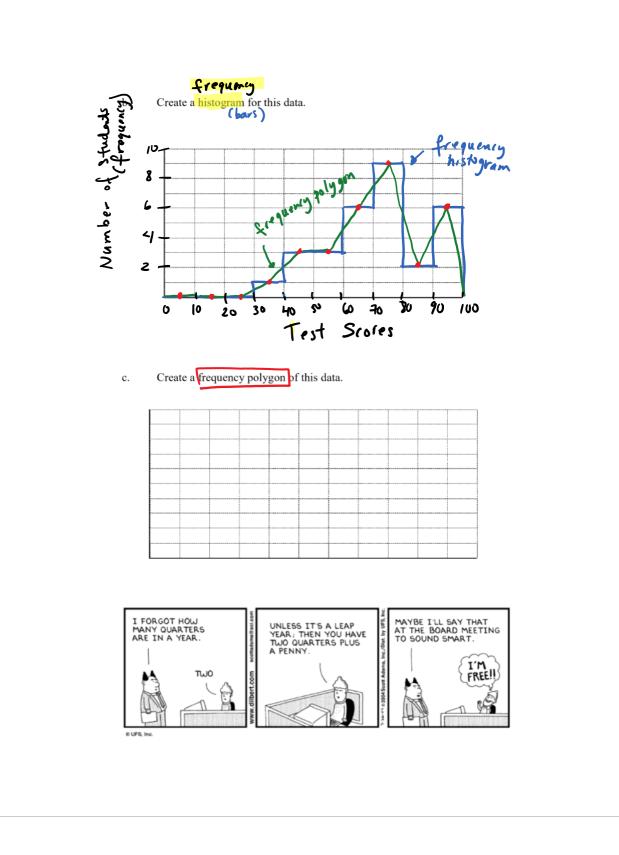
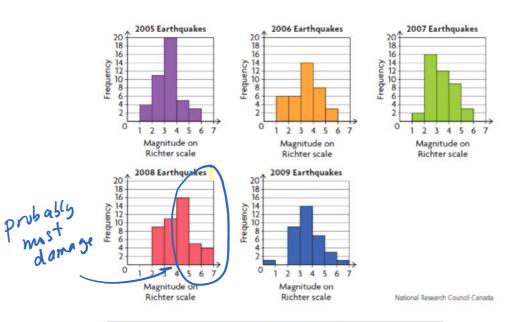
## 2 Frequency Tables, Histograms, & Frequency Polygons

February 16, 2020 12:01 PM





## **Example 2:** pg. 218 The magnitude of an earthquake is measured using the Richter scale. Examine the



histograms for the frequency of earthquake magnitudes in Canada from 2005 to 2009.

Which of these years could have had the most damage from earthquakes?

Understanding the Richter Scale*	
Magnitude	Effects
less than 3.0	recorded by seismographs; not felt
3.0-3.9	feels like a passing truck; no damage
4.0-4.9	felt by nearly everyone; movement of unstable objects
5.0-5.9	felt by all; considerable damage to weak buildings
6.0-6.9	difficult to stand; partial collapse of ordinary buildings
7.0-7.9	loss of life; destruction of ordinary buildings
more than 7.9	widespread loss of life and destruction

\*Every unit increase on the Richter scale represents an earthquake 10 times more powerful. For example, an earthquake measuring 5.6 is 10 times more powerful than an earthquake measuring 4.6.

Assignment: Pg. 222 #3-6, 9