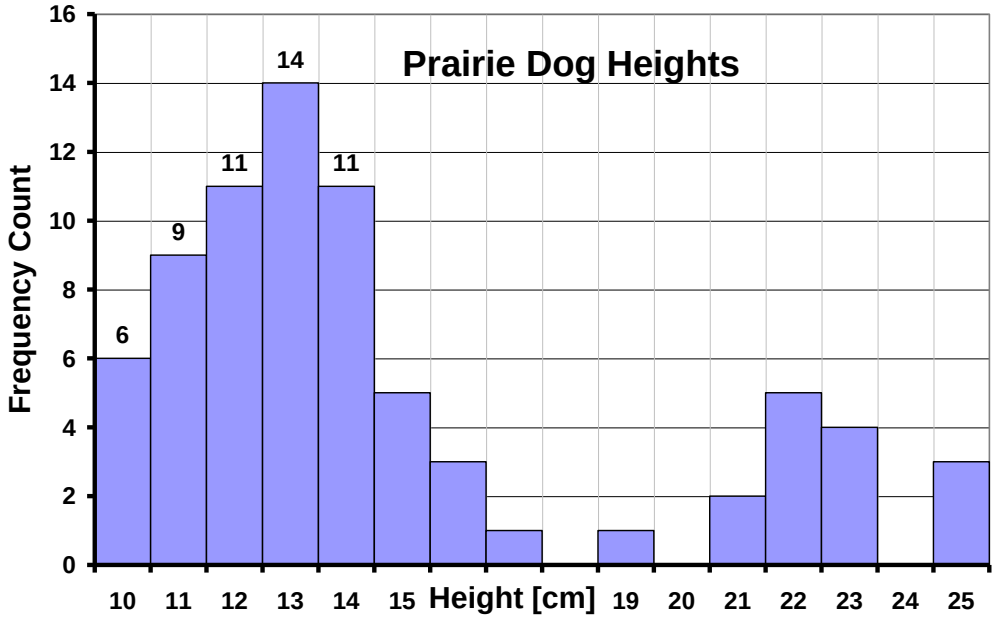
GRADE 12 APPLIED

Name: _____
Date: _____

UNIT D – STATISTICS - READ HISTOGRAM

Show work. Round decimal answers to nearest 0.01

1. You went to the zoo and watched those cute prairie dogs for hours with your nephew. You recorded their heights in centimetres (cm) and started on this fancy histogram with your nephew for his school project:



2. Calculate the actual Mean and Median. Complete the attached Data Frequency table and record:

a. Calculated Mean: _____

b. Calculated Median: _____

5. Determine the percentage (probability) of the prairie dogs that are:

   a. smaller than the median.

   b. larger than or equal to 19 cm (≥19).

   c. smaller than 30 cm.

	Frequency Data Table (to calculate statistics of large samples)				
x Value of variable being measured	Tally ticks (if nec)	**f** frequency each value happens [count]	Running Total (Cululative)	**f*x** *f times x*	
					Mode; most frequent x: _____
					Mean: $\frac{\Sigma fx}{n} =$
					Median Halfway up the data; in between two values if ***n*** is even. _____
		sum: n = _____		sum $\Sigma all\ the\ f * x's$ _____	