

Name: \_\_\_\_\_

## Frequency Polygons

**Exercise 1:** In a work study exercise for a hotel group a manager observed the following times, in seconds, being taken to compile customer bills.

155	246	255	196	366	270	172	262	262	206
263	296	325	142	202	322	250	456	330	224
186	112	115	127	266	266	415	316	325	292
217	235	72	177	281	210	192	202	49	316
261	352	256	311	346	78	441	364	211	231

- 1) Draw up a frequency distribute on table using classes widths of 50 and from it draw a histogram of the data.
- 2) Draw a cumulative frequency diagram of the data.

**Exercise 2:** The take home pay of 40 manual workers from a company for a particular week was:

5482	492	599	512	540	544	520	518
546	640	494	465	512	558	528	584
582	494	550	544	540	594	536	520
560	525	600	490	514	454	654	575
490	560	522	600	570	528	480	563

- a) Construct a grouped frequency distribution of 6 classes
- b) Draw a histogram.
- c) Draw a frequency polygon.
- d) Draw an ogive.