Chapter 1

What is Statistics?

# Part I Part II Part III Part IV

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1.** Quantitative | **6.** Discrete | **11.** Interval | **16.** Ratio | **21**. D |
| **2.** Qualitative | **7.** Discrete | **12.** Nominal | **17.** Ordinal | **22**. C |
| **3.** Quantitative | **8.** Continuous | **13.** Nominal | **18.** Nominal | **23**. D |
| **4.** Qualitative | **9.** Continuous | **14.** Ordinal | **19.** Interval | **24.** B |
| **5.** Quantitative | **10.** Discrete | **15.** Ratio | **20.** Ratio | **25**. C |

Chapter 2

Describing Data: Frequency Tables, Frequency Distributions, and Graphic Presentation

# Part I

**1**. B **2.** A **3.** B **4.** B **5.** C

**6**. C **7.** A **8.** C **9.** A **10.** D

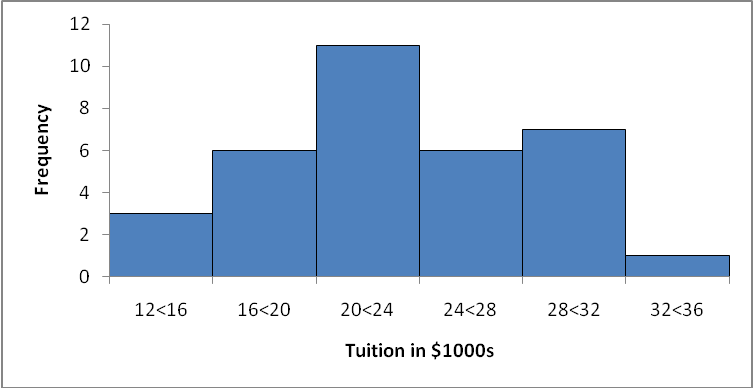
# Part II

**11.** Pie Chart

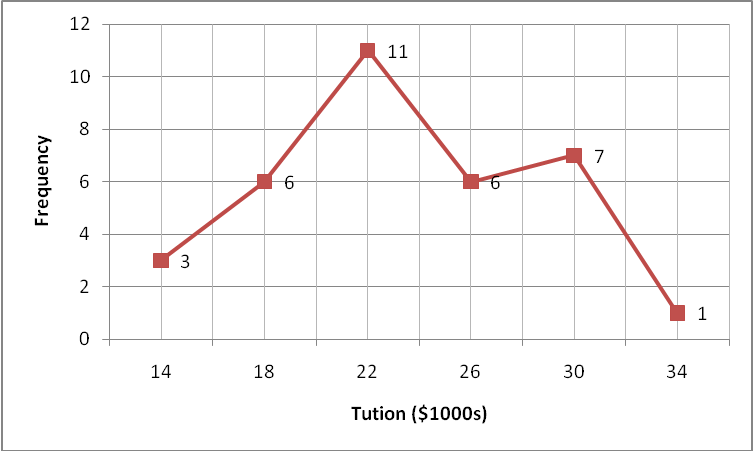
**12. a, b, &c.** Frequency, relative frequency, and cumulative frequency distributions:

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Relative** | **Cumulative** |
| **Class Limits** | **Frequency** | **Frequency** | **Frequency** |
| 12,000 up to 16,000 | 3 | 0.088 | 3 |
| 16,000 up to 20,000 | 6 | 0.176 | 9 |
| 20,000 up to 24,000 | 11 | 0.324 | 20 |
| 24,000 up to 28,000 | 6 | 0.176 | 26 |
| 28,000 up to 32,000 | 7 | 0.206 | 33 |
| 32,000 up to 36,000 | 1 | 0.029 | 34 |
| Total | 34 | 1.000 |  |

**d.** Frequency histogram:



**e.** Frequency polygon:



s