VIII. Place the number of each formula next to the appropriate description of its function.

Ungrouped Measures

1. Population mean __7__

2. Sample mean __1__

3. Median __2__

4. First quartile __13__

5. Third quartile __8__

6. x percentile __11__

7. Interquartile range __9__

8. Population average deviation __6__

9. Population standard deviation __5__

10. Sample standard deviation __14__

11. Population variance __4__

12. Sample variance __16__

13. Chebyshev's rule __12__

14. Coefficient of variation __10__

15. Weighted mean __3__

16. Pearson's coefficient of skewness __15__

Grouped Measures

1. Approximate class width __4__

2. Class midpoint __6__

3. Population mean __3__

4. Sample mean __9__

5. Location of the median __1__

6. Median __5__

7. Range __10__

8. Sample standard deviation __7__

9. Sample variance __8__

10. Relative frequency __2__

Ungrouped Formulas

1.	$\dfrac{\sum x}{n}$	2.	$\dfrac{n}{2} + .5$
3.	$\dfrac{\sum (W_x X_x)}{\sum W_x}$	4.	$\dfrac{\sum x^2}{N} - \left(\dfrac{\sum x}{N}\right)^2$
5.	$\sqrt{\dfrac{\sum x^2}{N} - \left(\dfrac{\sum x}{N}\right)^2}$	6.	$\dfrac{\sum |x-\mu|}{N}$
7.	$\dfrac{\sum x}{N}$	8.	$\dfrac{3n}{4} + .5$
9.	$Q_3 - Q_1$	10.	$\dfrac{\sigma}{\mu}(100)$
11.	$\dfrac{xn}{100} + .5$	12.	$1 - \dfrac{1}{k^2}$
13.	$\dfrac{n}{4} + .5$	14.	$\sqrt{\dfrac{\sum x^2 - \dfrac{(\sum x)^2}{n}}{n-1}}$
15.	$\dfrac{3(\bar{x}-md.)}{S}$	16.	$\dfrac{\sum x^2 - \dfrac{(\sum x)^2}{n}}{n-1}$

Grouped Formulas

1.	$\dfrac{n}{2}$	2.	$\dfrac{\text{class frequency}}{\text{total frequencies}}$
3.	$\dfrac{\sum fx}{N}$	4.	$\dfrac{\text{range}}{\text{\# of classes}}$
5.	$L + \dfrac{\frac{n}{2} - CF_b}{f}(i)$	6.	$\dfrac{X_1 + X_2}{2}$
7.	$\sqrt{\dfrac{\sum fx^2 - \dfrac{(\sum fx)^2}{n}}{n-1}}$	8.	$\dfrac{\sum fx^2 - \dfrac{(\sum fx)^2}{n}}{n-1}$
9.	$\dfrac{\sum fx}{n}$	10.	$H - L$