

Self Assessment Quiz

- 1) $83.2 + \frac{8.4}{54}(34 - 25)$
- 2) Round 96.3516 to 2 decimal places
- 3) Convert 13.09% to a decimal
- 4) Convert 0.057 to a percent
- 5) Rearrange the following numbers in order from low to high
-4, -6, -1, 0, -2
- 6) $5^2 + 3^3 + 4^5 - \frac{(5 + 3 + 7)^2}{3}$

For questions 7-10 refer to the following set of data. Compute the indicated quantities

X
5
8
0
4
-2

- 7) ΣX
- 8) ΣX^2
- 9) $(\Sigma X)^2$
- 10) $\Sigma(X-2)$

For questions 11-13 refer to the following data. Compute the indicated quantities

<u>X</u>	<u>Y</u>
12	-2
10	-1
5	5

- 11) ΣXY
- 12) $(\Sigma X)(\Sigma Y)$
- 13) $\Sigma(X-Y)^2$
- 14) If a calculator computation yielded the display 3.2^{-04} , what number is being represented by this display?

For questions 15-16: Write the following numbers in scientific notation

15) 195300

16) 0.000577

17) 5!

18) $\frac{8!}{5!}$

For questions 19-20 solve for X

19) $12 - 5X = -8$

20) $3 + \frac{12}{X} = 5$

21) $\frac{X - 10}{3} > 2$

22) $5 - 4X < -3$

23) Solve for the equation $Z = \frac{X - \mu}{\sigma}$. If $X = -7$, $\mu = 1$, $\sigma = 2$, $Z = ?$

24) Round 96.3516 to 1 decimal place