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## Suzi's Company

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Suzi is the chief executive of a small company, TechScale, which makes technical instruments. Fifteen people, including Suzi, work in the company. The table shows the jobs and their annual salaries.

<i>Job Title</i>	<i>Number of people</i>	<i>Annual salary</i>	<i>Total</i>
Chief Executive	1	\$100 000	\$100 000
Marketing Manager	1	\$80 000	
Production Manager	1	\$80 000	
Technician	3	\$50 000	\$150 000
Office worker	2	\$40 000	\$80 000
Assembly worker	5	\$30 000	
Cleaner	2	\$20 000	
<i>Total</i>	<b>15</b>	<i>Total</i>	

1. a. Complete the final column of the table to find the total annual salary bill for TechScale.
- b. Use your answer to question 1a to calculate the mean annual salary for the 15 employees in the company. Give your answer correct to the nearest \$.

\$ \_\_\_\_\_

Show your calculations.

2. John looks at the table and says, “The mode of the salary at TechScale is eighty thousand dollars a year.”

a. What mistake has John made?

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b. What is the correct mode of the salary?

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3. a. What is the median annual salary at TechScale?

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b. Explain how you figured it out.

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4. Which of the three averages, mean, median or mode, would you use to show that the average wage at TechScale is very good?

Explain your answer.

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5. Last year, TechScale did not do very well so Suzi decided not to pay herself any salary for a year.

a. Which of the averages (mean, median and mode) will **not** change?

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