## Solve the following problems :

1. A tech company's stock price increased by $12 \%$ in the first quarter and then decreased by $8 \%$ in the second quarter. If the stock was originally priced at $\$ 150$, what is its current price?
2. A store offers a "buy one, get one at $30 \%$ off" deal for shoes. If you buy two pairs of shoes priced at $\$ 80$ each, how much do you save?
3. A company's revenue was $\$ 1.2$ million last year. If the company's revenue increased by $15 \%$ this year, what is the new revenue?
4. A student scored $75 \%$ on the first math test, $80 \%$ on the second, and $85 \%$ on the third. What is the student's average score?
5. A video game console originally costs $\$ 400$. If it goes on sale for $20 \%$ off, what is the sale price?
6. A restaurant increased its menu prices by $10 \%$ due to rising costs. If a meal originally cost $\$ 50$, what is the new price?
7. An investment grows by $5 \%$ in the first year and then shrinks by $3 \%$ in the second year. If the initial investment was $\$ 10,000$, what is the final amount?
8. The number 9 is what percent of the number 12 .
