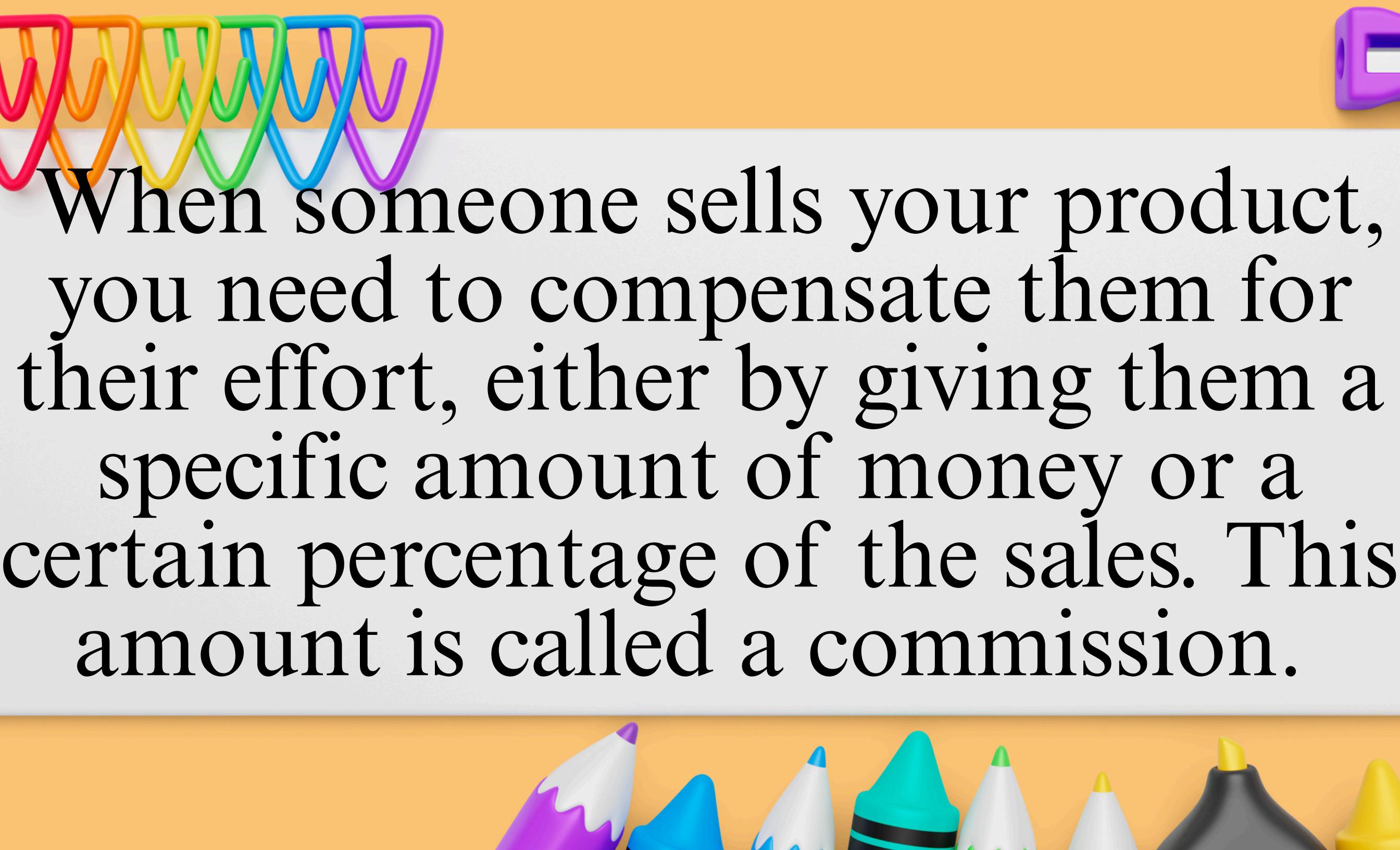
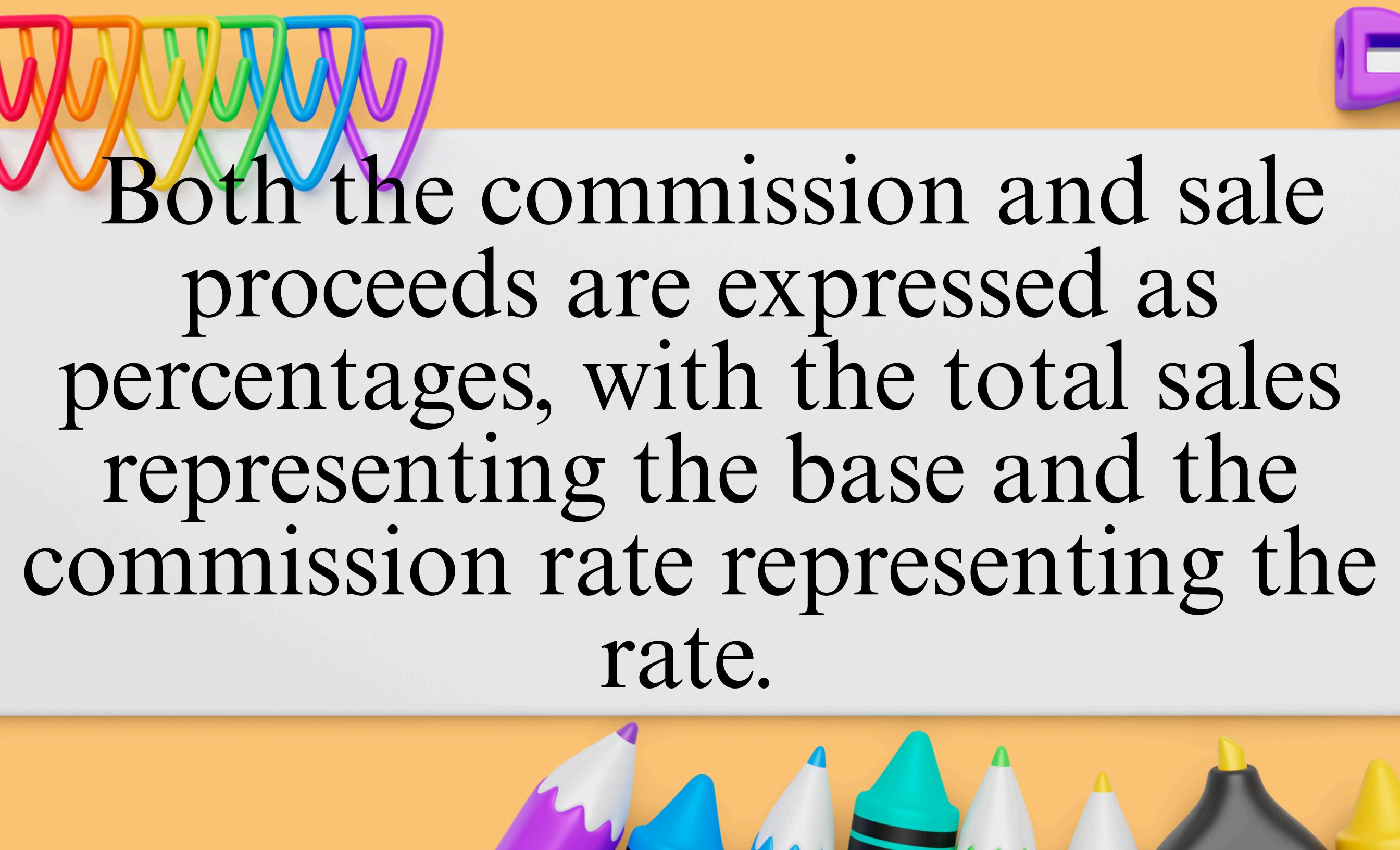


Solving Commission

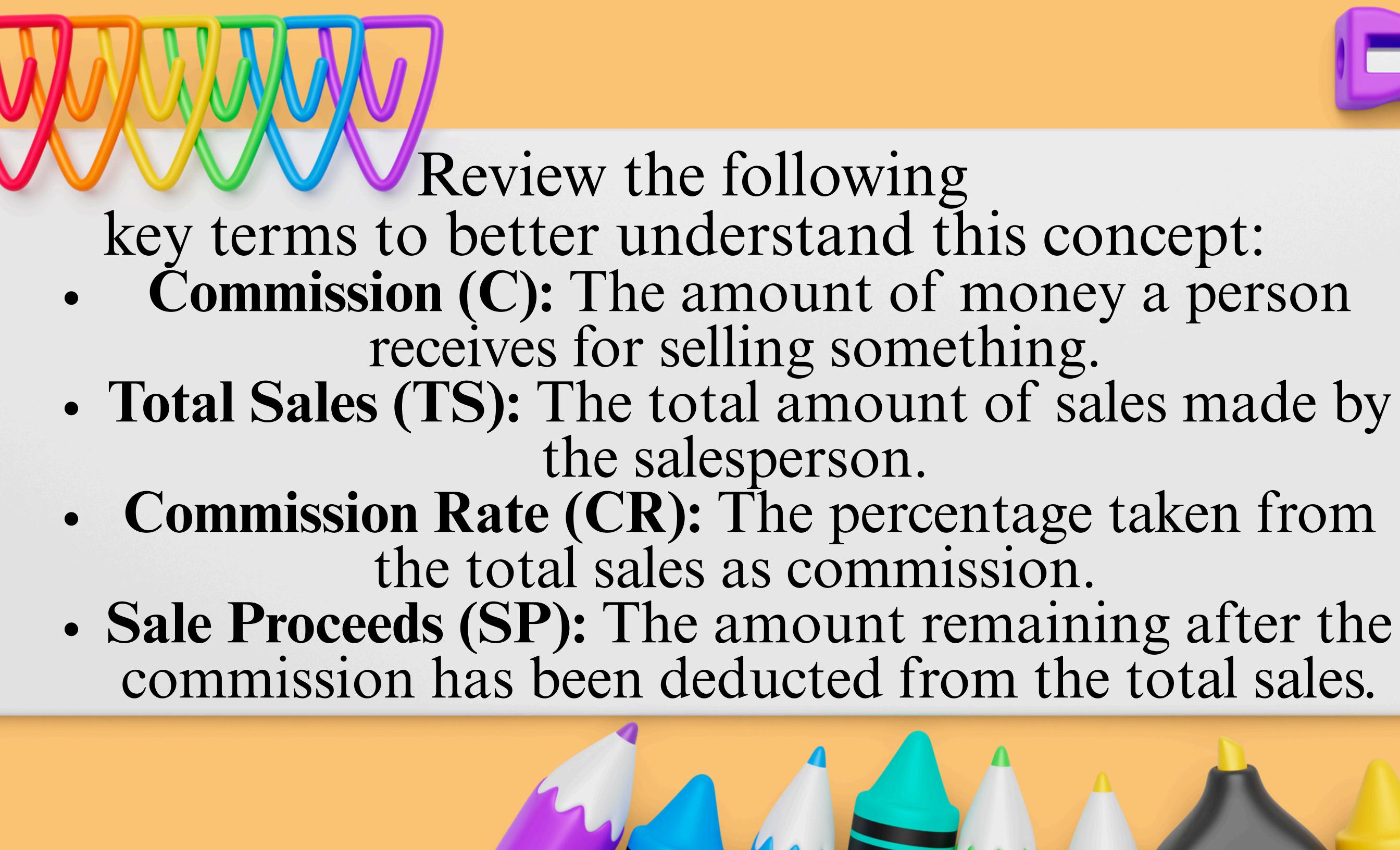




When someone sells your product, you need to compensate them for their effort, either by giving them a specific amount of money or a certain percentage of the sales. This amount is called a commission.



Both the commission and sale proceeds are expressed as percentages, with the total sales representing the base and the commission rate representing the rate.



Review the following key terms to better understand this concept:

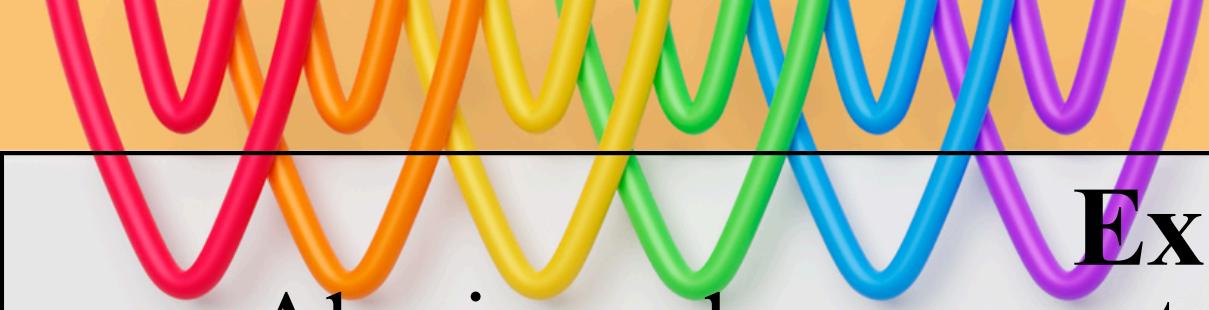
- **Commission (C):** The amount of money a person receives for selling something.
- **Total Sales (TS):** The total amount of sales made by the salesperson.
- **Commission Rate (CR):** The percentage taken from the total sales as commission.
- **Sale Proceeds (SP):** The amount remaining after the commission has been deducted from the total sales.



Example 1:

Alex is a salesperson at an electronics store. He earns a commission of 5% on all the sales he makes. One day, Alex sold a total of ₱20,000.00 worth of electronics.





Example 1:

Alex is a salesperson at an electronics store. He earns a commission of 5% on all the sales he makes. One day, Alex sold a total of ₦20,000.00 worth of electronics.

Solution:

$$TS = ₦20,000.00, CR = 5\%, C = ?, SP = ?$$

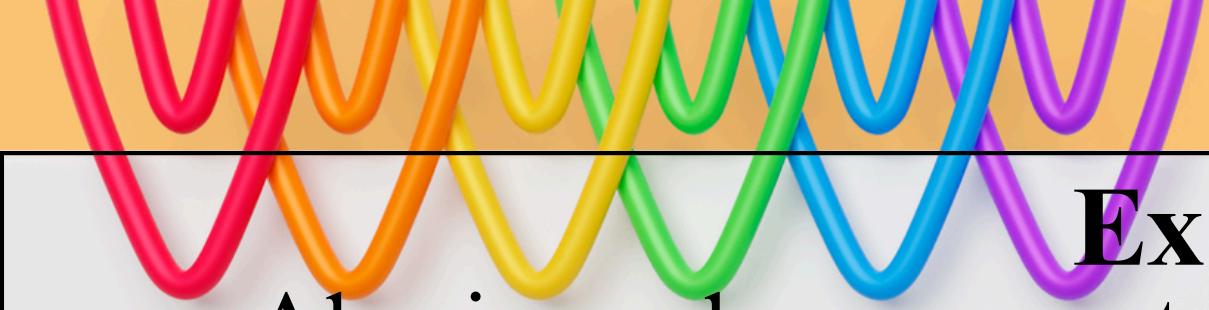
The formula for commission is: $C = TS \times CR$

$$= ₦20,000.00 \times 5\% \text{ Substitute the given}$$

$$= ₦20,000.00 \times 0.05 \text{ Change } 5\% \text{ to decimal}$$

$$C = ₦1,000.00$$

Answer: Alex earns a commission of ₦1,000.00.



Example 1:

Alex is a salesperson at an electronics store. He earns a commission of 5% on all the sales he makes. One day, Alex sold a total of ₱20,000.00 worth of electronics.

Solution:

The formula for sale proceeds is: $SP = TS - C$

$$= ₱20,000.00 - ₱1,000.00$$

$$SP = ₱19,000.00$$

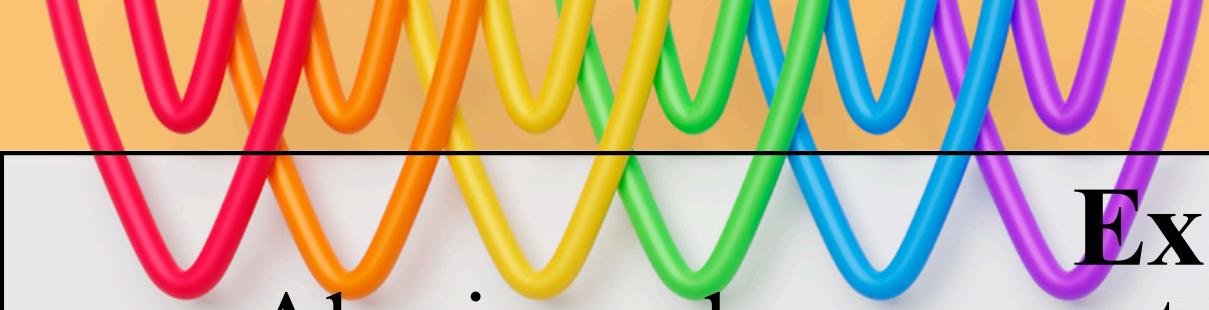
Answer: The sale proceeds after deducting Alex's commission are ₱19,000.00.



Example 1:

Robert is a salesperson at an appliances store and earns a 5% commission on all the sales he makes. One day, he received a commission of ₱1,000. What were Robert's total sales that day?





Example 1:

Alex is a salesperson at an electronics store. He earns a commission of 5% on all the sales he makes. One day, Alex sold a total of ₦20,000.00 worth of electronics.

Solution:

$$C = ₦1,000.00, CR = 5\%, TS = ?$$

$$TS = C \div CR$$

$$= ₦1,000.00 \div 5\%$$

$$= ₦1,000.00 \div 0.05 \quad \text{Change } 5\% \text{ to decimal.}$$

$$= ₦20,000.00$$

Answer: Today, Robert's total sales amount is ₦20,000.00.