

**POTENT ACADEMY REVISION SERIES**  
**MATHEMATICAL ACTIVITIES**  
**GRADE 9 | MODEL 02**

**Name** \_\_\_\_\_ **Date** \_\_\_\_\_

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1. An agricultural cooperative society earned nine million, one hundred and seventy thousand and sixty-three shillings from the sale of coffee. What is the amount earned in symbols?
2. During a mathematics lesson, the following numbers were discussed:  $210$ ,  $\pi$ ,  $-3$ , and  $2.5$ . Which of these numbers is an integer?
3. Sarah starts at the ground floor of a building. She goes up 7 floors to visit a friend and then goes down 3 floors to the cafeteria. What floor is Sarah on now?
4. A water tank is leaking at a rate of 3 liters per minute. If the leak continues for 25 minutes, what is the total volume of water lost from the tank?
5. A cube-shaped container has a volume of  $64\text{cm}^3$ . What is the length of one side of the container?

6. A triangular piece of land has a base of 12.5 meters and a height of 8.0 meters. Calculate the radius of a circular piece of land with the same area, using mathematical tables where needed.
7. A rectangular banner has an area of  $48\text{m}^2$ . If its width is 6m, calculate its length.
8. A rectangular water tank has a length of 10m, a width of 5m, and a height of 3m. Calculate the total surface area of the tank.
9. Michael deposited Ksh. 350,000 in a savings cooperative that offers compound interest at a rate of 9% per annum. Calculate the compound interest earned after 2 years.
10. Alice goes to the library every 6 days, James every 8 days, and Brenda every 12 days. If they all met at the library today, in how many days will they meet there again?