

POTENT ACADEMY REVISION SERIES
MATHEMATICAL ACTIVITIES
GRADE 9 | MODEL 03

Name _____ **Date** _____

1. The population of Nairobi City County was projected to be 5,545,000 in the year 2025. What is the place value of the digit 5 that appears first in this number?
2. A census conducted in the year 2029 recorded a population of 62,489,712. Round off this population to the nearest million.
3. A weather station recorded the following measurements: 25°C, 1013.25 hPa, 60%, and 0°C. Which of these measurements represents an integer value?
4. A hiker climbs 500 meters up a mountain from a base camp located at an altitude of 1200 meters. She then descends 200 meters to set up a temporary resting point. What is the altitude of the resting point?
5. The depth of a well increases by 2.5 meters each week due to drilling. What will be the total increase in depth after 4 weeks of drilling?

6. Simplify the expression

$$\frac{x+2y}{3} + \frac{3y-x}{4}$$

7. A cylindrical container has a volume of 78.5m^3 and a height of 10m. What is the radius of the base of the container?
8. A circular garden has a diameter of 10.4 meters. Find the side length of a square garden with the same area, using the mathematical tables.
9. Mary is 5 years older than her brother John. If John is z years old now, what will be the difference between their ages in 10 years' time?
10. A cooperative society lent a farmer Ksh. 90,000 at a simple interest rate of 10% per annum for 5 years.
- a) Calculate the total interest the farmer had to pay.
- b) What was the total amount the farmer repaid to the cooperative society?