

WANYANGE GIRLS SECONDARY SCHOOL

S.3 MATHEMATICS HOLIDAY ACTIVITY

Instruction: Attempt all questions

1. Express the recurring decimal $2.\overline{36}$ in the form of $\frac{a}{b}$
2. Find the equation of the line passing through (2,3) and is parallel to line $y = 3x - 5$
3. A set is such that $n(A \cap B') = 3$, $n(A' \cap B) = 4$ and $n(A \cup B)' = 5$. If $n(\epsilon) = 19$, find $n(A \cap B)$ by using a Venn diagram.
4. Mugudde bought a radio set at shs. 300,000 and sold it at shs. 330,000. What was the percentage profit?
5. Solve the simultaneous equations

$$3m + n = 13$$

$$5m - 2n = -4$$

6. The mean of 13,8,6,0,3,12,x,5 and 11 is 7. Determine the value of
 - i. X
 - ii. The median
7. Solve the quadratic equation using factorization method $5x^2 + 9x - 2 = 0$.
8. Find the L.C.M and G.C.F of 18, 60 and 72.

Stay safe. Wash your hands frequently.