

BILL DAY SCHOOL NAKAGERE PREP

WEDNESDAY 15TH February 15, 2024

1. The area of a triangular garden is 60m^2 . If the base is 12m, find the height of the triangular garden.
2. In a class of 50 pupils, 28 like Mathematics (M), 25 pupils like English (E), Y pupils like both subjects and 2 like neither of the subjects. Represent the information on a Venn diagram and find the value of y.
 - b) How many pupils like only one subject?
 - c) What is the probability of choosing a pupil at random who likes other subjects?
3. In a group of 200 people, $\frac{1}{4}$ of them are males and the rest are female. How many more females than males are in this class?
4. What is the square root of 0.04?
5. The sum of 3 consecutive even numbers is 30, find the numbers.
6. Workout; $+ 9 + - 5$ using a number line
7. The mean of p, 3, 7, 8, 2 is 5, find the values of p.
8. Find the unknown base; $23_k = 15_{10}$
9. Workout; $3 + 4 = \underline{\hspace{1cm}}$ (finite 5)
10. Workout; $3 - 6 = \underline{\hspace{1cm}}$ (mod 5)