

NAME _____

DATE _____

Solving Problems with Venn Diagrams

Assignment Week 3

Question 1:

In Form 5 there are 80 students. 55 students like Art and 42 like Dance. Some students like both Art and Dance. Calculate how many students like both subjects.

Given $U =$ _____

No. of students who like Art, $n(A) =$ _____

No. of students who like Dance, $n(D) =$ _____

No. of students who like both Art and Dance, $n(A \cap D) = n$

$$\begin{aligned} -n + n + -n &= \\ + -n &= \\ -n &= \\ n &= - = \text{_____ students} \end{aligned}$$

