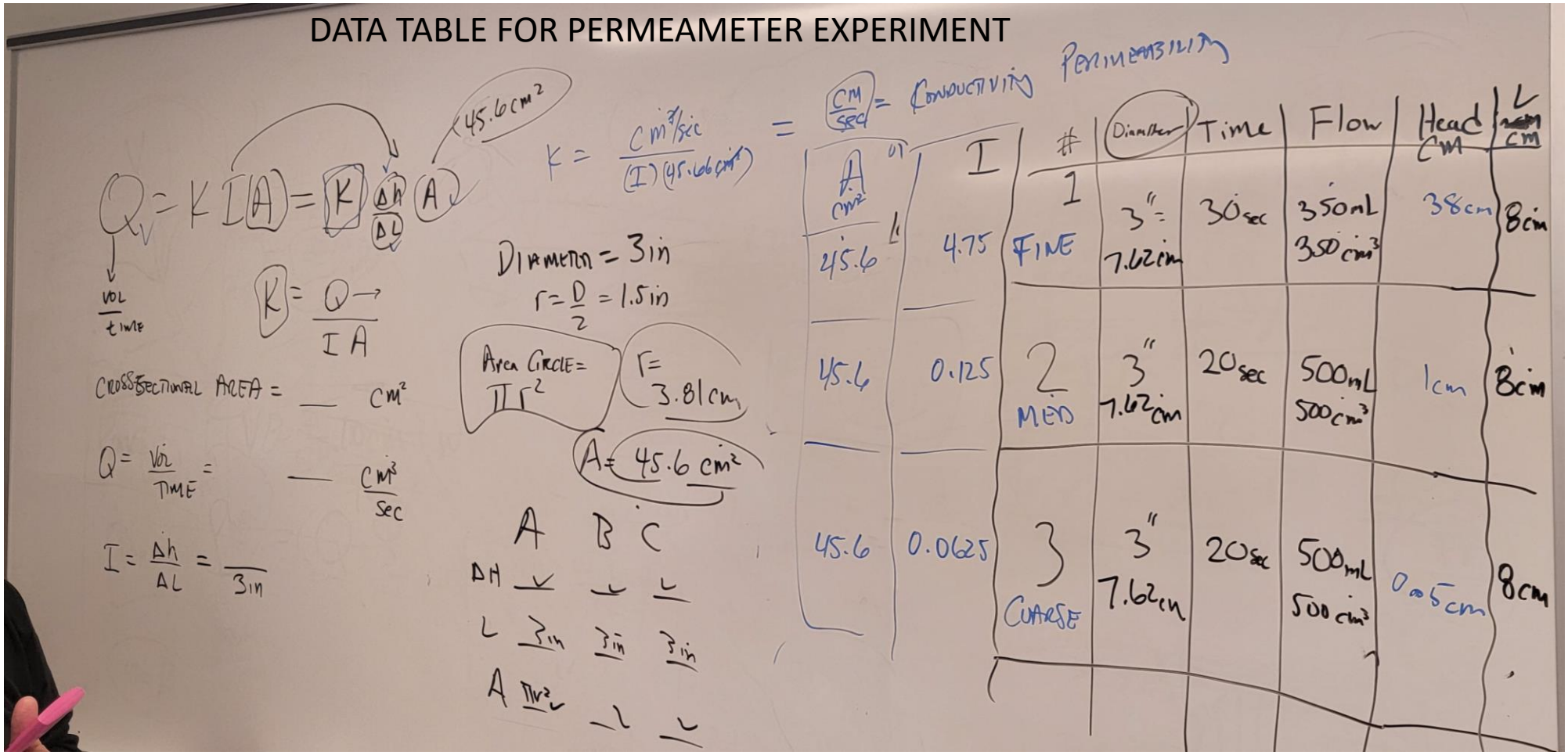
Task 6-5 Darcy's Law Permeameter Demonstration Feb. 21, 2023



Objective: given three different materials (1) fine sand, (2) coarse sand, and (3) very coarse sand-granules; determine the K (hydraulic conductivity value in units of cm/sec) by using the permeameter data from Feb. 21, 2023 and Darcy's Law Equation. Show all of your unit algebra and math work.

Answer Key:

(1) K (fine sand) = 0.05 cm/sec

(2) K (coarse sand) = 4.4 cm /sec)

(3) K (very coarse sand) = 8.8 cm /sec