I am here.

A. Yes
B. No
C. What is "here" really, man?

For linearly magnetizable materials, the relationship between the magnetization and the H-field is,

$$\mathbf{M} = \chi_m \mathbf{H}$$

What do you expect the sign of X_m to be for a paramagnetic/diamagnetic material?

A. para: $\chi_m < 0$ dia: $\chi_m > 0$
B. para: $\chi_m > 0$ dia: $\chi_m < 0$
C. Both positive
D. Both negative

ELECTROMAGNETISM IS THE FOUNDATIONAL FIELD THEORY OF PHYSICS

Think about everything you NOW know about electromagnetism (it's a lot!).

Work with a partner to map out the electromagnetism concepts that you know and how they are related to each other.

Discuss how your understanding has changed. We will discuss together.