

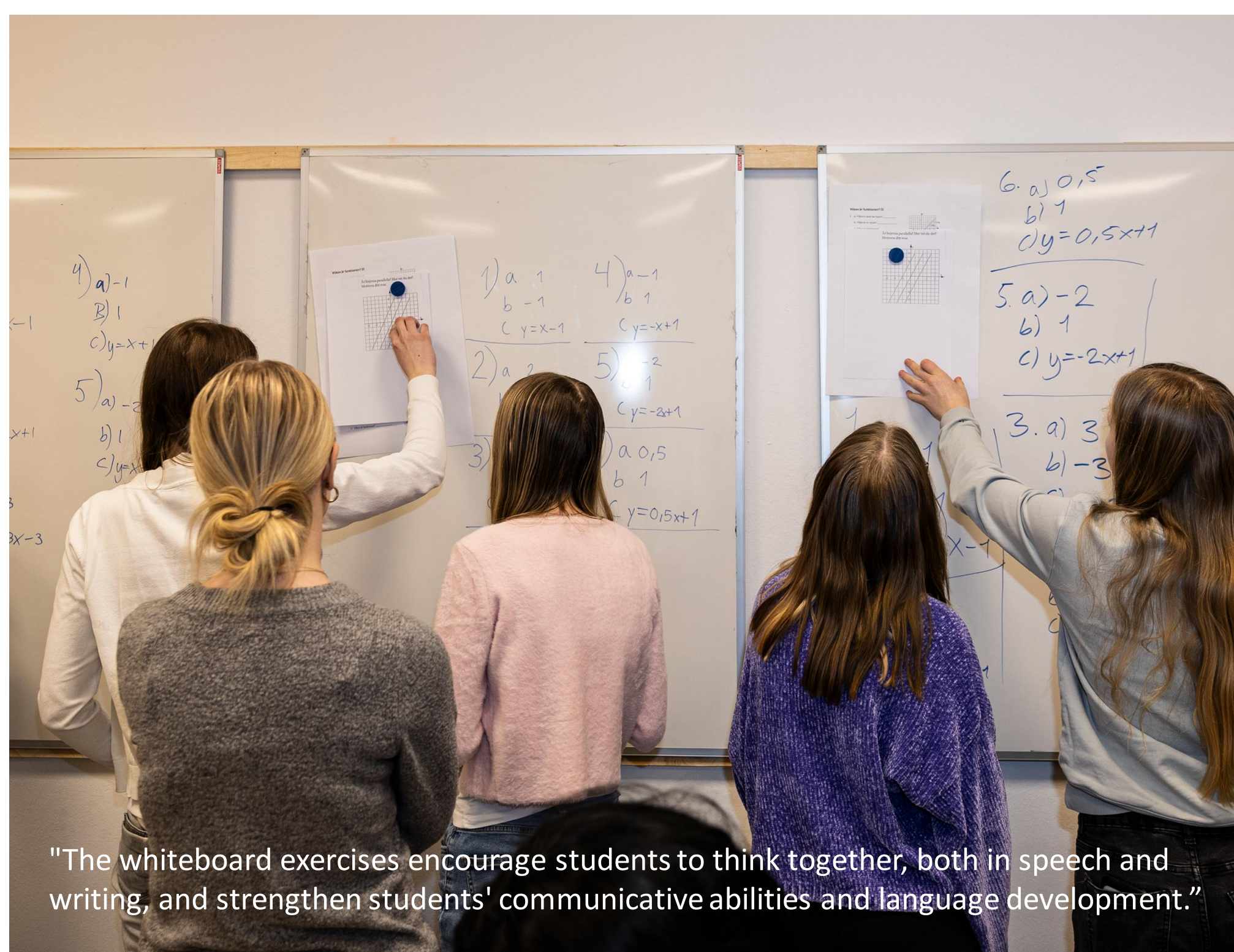
Gröndalsskolan | Nynäshamn, Stockholm | Sweden



Warm-ups and stand-ups are a success for everyone in math

1. Warm-ups

Our math warm-ups aim for students to feel proficient, enhancing their learning. This routine starts each math lesson with 8-10 moderate questions on individual papers. After 5 minutes, students check answers privately, boosting confidence without pressure. This approach consistently reduces math anxiety, fosters self-assurance from the start, and improves performance. Regular engagement in this method leads to increased mathematical activity in each lesson.



2. Whiteboard collaboration

Writing on walls boosts math learning. The teacher prepares tasks for 2-3 student groups per whiteboard before class, enhancing visibility for group work and discussions. This method helps students articulate math concepts, deepens reflection, and enhances understanding across all levels. It also supports math language development. Studies show that whiteboards, due to their non-permanent nature, improve mathematical communication more effectively than paper by allowing easy corrections and instant teacher feedback on errors.

When these two methods are integrated into regular teaching, it contributes to students believing in their own mathematical ability and their aspiration to reach further.

Step-by-step guide to working with the methods

