



FaSMEd

A lesson on exponents

Memory Dizha
Marie Joubert
Ingrid Mostert

Introduction

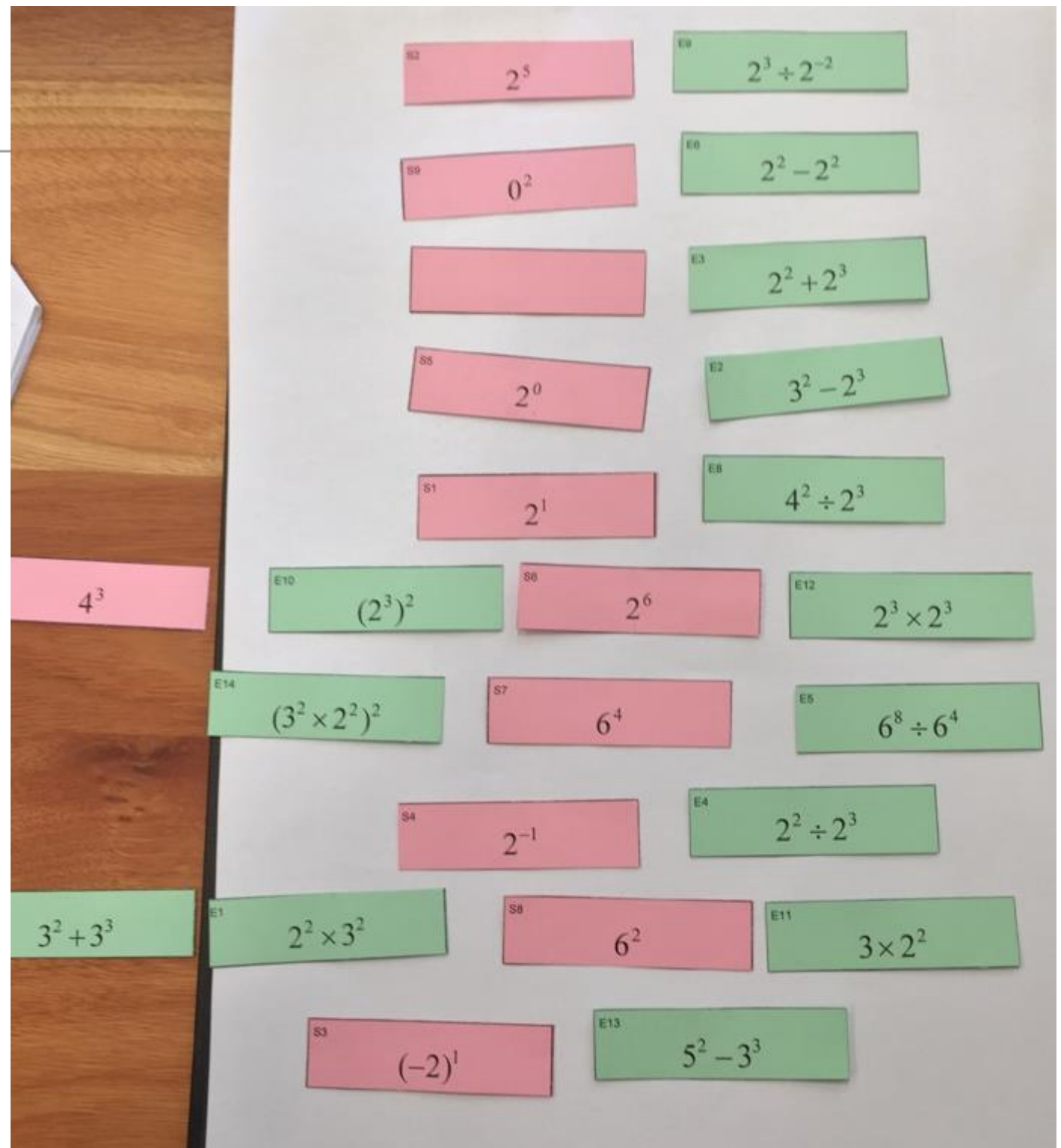
- Introduce ourselves and FaSMEd
- What we are going to do in this session

Teaching and learning exponents: the design of this lesson

- learners find exponents difficult and boring
- exponents tend to be taught one law (rule) at a time
- this lesson is designed to
 - engage learners
 - while also covering all the laws
 - and addressing the question of when the laws can't be used

The task

- Card matching activity
- Expressions and solutions
- Not one-to-one



What to do



What one group did



Learners are engaged



The role of the teacher

- Creating a space for ‘productive struggle’
 - Gathering information about the learners’ understandings
-

Don't tell them the answers



Enough time



What you learn about the learners' understanding



Misunderstandings revealed – what should you do?



Misunderstandings revealed – self-correcting



Thoughts and questions

- How does this activity support formative assessment?
- What are the students learning?
- What prior knowledge do they need?
- Are all learners engaged?