

Appendix 1 Examples of coding results for RQ1

No.	Name	Sentences from teacher's reflective journal	Code
1	T2	Understand the concept of instalment loan and how to calculate it.	AU
2	T4	This task involves the operation of adding and subtracting rational numbers.	AD
3	T1	This question can be used to assess students' arithmetic skills.	AS
4	T2	This question was poorly performed by students in previous instruction.	IA
5	T3	Exponentiation to integer power is presented as a chapter in textbooks and is an important mathematical concept for students to understand.	IL
6	T5	Although there is a student activity task on time deposits in the textbook, it is still a bit different from our real-life bank time deposits and cannot be considered an authentic out-of-school situation yet.	IR
7	T6	I have included exponentiation to integer power to align with the content of the mathematic in the textbook.	RO
8	T1	I added a more specific banking context to the textbook setting about time deposits, which I updated to the local bank's rate of the day to ensure authenticity.	RA
9	T4	I included a peer feedback component of group work to assess students' ability to work together.	RI

Appendix 2 Examples of coding results for RQ2

[illegible]