

Scope of the module

Session	Mathematics	Student thinking	Teaching practice	Learning from practice
1	<ul style="list-style-type: none"> representing fractions understanding how equivalence (of fractions) can be represented and used 	<ul style="list-style-type: none"> identifying and analyzing student conceptions, explanations, and representations of fractions 		
2	<ul style="list-style-type: none"> representing fractions 		<ul style="list-style-type: none"> selecting and generating representations connecting representations 	
3	<ul style="list-style-type: none"> representing fractions defining fractions 		<ul style="list-style-type: none"> connecting representations 	
4	<ul style="list-style-type: none"> representing fractions 	<ul style="list-style-type: none"> identifying and analyzing student conceptions, explanations, and representations of fractions 	<ul style="list-style-type: none"> selecting and generating representations 	
5	<ul style="list-style-type: none"> using and explaining methods and representations for comparing fractions 		<ul style="list-style-type: none"> narrating the process of representing 	
6	<ul style="list-style-type: none"> using and explaining methods and representations for comparing fractions 	<ul style="list-style-type: none"> identifying and analyzing student strategies for comparing fractions 		<ul style="list-style-type: none"> studying public recording space to learn from practice using a conceptual framework to guide the planning, use, and analysis of public recording space

7	<ul style="list-style-type: none"> • using and explaining methods and representations for comparing fractions 	<ul style="list-style-type: none"> • identifying and analyzing student strategies for comparing fractions 	<ul style="list-style-type: none"> • narrating the process of representing 	<ul style="list-style-type: none"> • studying public recording space to learn from practice • using a conceptual framework to guide the planning, use, and analysis of public recording space
8	<ul style="list-style-type: none"> • representing fractions • using and explaining methods and representations for comparing fractions 	<ul style="list-style-type: none"> • identifying and analyzing student conceptions, explanations, and representations of fractions • identifying and analyzing student strategies for comparing fractions 	<ul style="list-style-type: none"> • narrating the process of representing • supporting students in narrating the use of a representation 	<ul style="list-style-type: none"> • studying public recording space to learn from practice • using a conceptual framework to guide the planning, use, and analysis of public recording space
9	<ul style="list-style-type: none"> • using and explaining methods and representations for comparing fractions • understanding how equivalence (of fractions) can be represented and used 	<ul style="list-style-type: none"> • identifying and analyzing student strategies for comparing fractions 	<ul style="list-style-type: none"> • selecting and generating representations 	
10	<ul style="list-style-type: none"> • representing fractions 	<ul style="list-style-type: none"> • identifying and analyzing student conceptions, explanations, and representations of fractions 	<ul style="list-style-type: none"> • connecting representations • narrating the process of representing • supporting students in narrating the use of a representation • recording contributions and emerging mathematical ideas 	<ul style="list-style-type: none"> • studying public recording space to learn from practice