

Mathematical Processes

REFLECTING - LOOK FORs

REFLECTING:

Students will demonstrate that they are reflecting on and monitoring their thinking to help clarify their understanding as they complete an investigation or solve a problem (e.g., by assessing the effectiveness of strategies and processes used, by proposing alternative approaches, by judging the reasonableness of results, by verifying solutions).

Considering data collected	search for relevant primary and secondary data
	check that data being gathered is appropriate to the inquiry
Reflecting on new skills, concepts, and questions to see how they connect to prior knowledge	apply and extend knowledge to new situations
	examine questions and demonstrate flexibility in choice of strategy based on the nature of the question
	verify a solution to a problem by using a different method
	consider the reasonableness of their answer
	self-monitor progress while problem solving and revise, as necessary
	propose alternative approaches to a problem