

This year we were advised by panel to assess students in the CAJ domain with extra rigor so that we may strengthen the position of our higher ended students. Prior to this, there would have been 7 possible tick boxes per question - now there are 12. As such, this example (Q. 10):

Question 10	**	KAP	Use of rules and formulas	Mathematical procedures	Use of technology	
		MAP	Use of strategies	Alternative solutions and/or procedures	Informed decisions	
		MAP	Strengths/Limits			
		C&J	Mathematical terminology	Presentation of information	Translation of information	
		C&J	Development of logical sequence	Justification of reasonableness		

Based on the details in Question 9, determine whether Hilary Jones receives a tax refund or whether she owes the ATO more money. Specify the amount. Show all working.

You tick according to:

- KAP** Use of rules and formulas *Has the student used rules and formulas in this situation?*
- KAP** Mathematical procedures *Has the student applied correct mathematical sequences in this situation?*
- KAP** *We don't have to assess the "Use of technology" here as there is no requirement to use a graphics calculator nor word processor.*
- MAP** Use of strategies *Has the student used familiar strategies to solve this problem?*
- MAP** *We don't have to assess the "Alternative solutions and/or procedures" as there is no requirement for an alternative procedure to be employed.*
- MAP** Informed decisions *Has the student made correct decisions based on mathematical reasoning in this situation?*
- MAP** *We don't have to assess the "Strengths/Limitations" as there is no requirement in this question.*
- CAJ** Use of mathematical terminology *Has the student used correct mathematical terminology in this situation?*
- CAJ** Presentation of information *Has the student organised and presented information in a variety of representations?*
- CAJ** Translation of information *Has the student translated information from one representation to another?*
- CAJ** Development of a logical sequence *Has the student developed logical sequences using mathematical and everyday language?*
- CAJ** Justification of reasonableness *Has the student justified the reasonableness of the results calculated?*

These statements are cut down summaries of the criteria statements so that tick boxes can be organised. In this case, a student could receive a maximum of 9 ticks from this C-level question. It is possible that an A level may need all 12 boxes ticked.

That was the easy part! I believe that this particular student answered well but I can only use 4 of the 9 ticks. Lets see what this does for the "holistic" view of the complete paper.