

Numeracy 2018 v1.1

IA2B mid-level annotated sample response

October 2018

Student learning journal

This sample has been compiled by the QCAA to assist and support teachers to match evidence in student responses to the characteristics described in the instrument-specific standards.

Assessment objectives

This assessment instrument is used to determine student achievement in the following objectives:

4. plan, implement and adjust processes to achieve learning outcomes in workplace and employment contexts
5. apply learning strategies in workplace and employment contexts.

Note: Objectives 1, 2, and 3 are not assessed in this instrument.

Instrument-specific standards

Learning	
The student work has the following characteristics:	Grade
<ul style="list-style-type: none"> • effective planning, implementation and adjustment of processes to achieve learning outcomes in workplace and employment contexts • purposeful application of learning strategies in workplace and employment contexts. 	A
<ul style="list-style-type: none"> • logical planning, implementation and adjustment of processes to achieve learning outcomes in workplace and employment contexts • consistent application of learning strategies in workplace and employment contexts. 	B
<ul style="list-style-type: none"> • <u>planning, implementation and adjustment of processes to achieve learning outcomes in workplace and employment contexts</u> • <u>application of learning strategies in workplace and employment contexts.</u> 	C
<ul style="list-style-type: none"> • occasional planning, implementation and adjustment of processes to achieve learning outcomes in workplace and employment contexts • some application of learning strategies with variable success in workplace and employment contexts. 	D
<ul style="list-style-type: none"> • infrequent planning, implementation and adjustment of processes to achieve learning outcomes in workplace and employment contexts • isolated application of learning strategies in workplace and employment contexts. 	E

Task

In a learning journal, explore your thoughts and reflect on the learning strategies and processes you are adopting to achieve the learning outcomes encountered in this topic. Your learning journal will demonstrate your thinking and learning practices as they develop throughout the subject.

Your journal may be presented in written or digital form.

Sample response

Objectives	Result
Plan, implement and adjust processes to achieve learning outcomes in workplace and employment contexts	C
Apply learning strategies in workplace and employment contexts	

The annotations show the match to the instrument-specific standards characteristics.

Learning

apply learning strategies in workplace and employment contexts

Learning

plan, implement and adjust processes to achieve learning outcomes in workplace and employment contexts

Learning

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Learning

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Learning

apply learning strategies in workplace and employment contexts

Brainstorming — everyday maths

What happened today?

Today we started Topic 2 and talked a lot about how maths is used in lots of different jobs.

My brother works in the office at the meatworks and uses spreadsheets all day. Sam's mum works for the council planting gardens like on roundabouts. They draw up a plan and then work out how much dirt, mulch and plants they need and sometimes watering systems.

I've always found maths really hard but I think I really need to work harder on understanding it cos it seems so important for all sorts of jobs.

What did I learn?

I was really surprised how much maths is used in almost every job we could think of.

I thought the spreadsheets did all the work but when we talked about it I understood how the formulas my brother puts in are the important maths behind his work.

Sam's mum uses scale, perimeter for garden borders, area and volume for the dirt and mulch. Who would have thought there was so much maths in gardening!

Time

What happened today?

Today we continued work on 24-hour time. Some places 24-hour time is used are

- travel flight times
- in the army
- computing.

And I realise I'm using 24-hour time when I play computer games online with my mate in Perth!!! How awesome is that!

What did I learn?

We worked in groups solving workplace problems using 24-hour time.

I had a few problems at first but once I realised that after 1200 you just keep adding it got much easier.

I learnt that for times after lunch, instead of writing pm you just add 2 and 10, or 12, e.g. 3pm is 1500 because $3 + (2 + 10) = 15$.

Preparing for the exam

What happened today?

In class, we are getting ready for the next assessment which will be an exam. We did some practise questions on the board and then heaps on our own.

We have done a lot of group work but not much by ourselves so this made me quite nervous about the exam.

Our teacher gave us a list of all the subject matter for the exam. She said we should highlight the things we are still finding tricky and focus on them. I find this really useful.

What did I learn?

I understood the board questions and got 5 out of 6 right so I was feeling pretty good about that.

When I went through the list of subject matter it was very helpful. The things I am focusing on in my revision are estimating and probability.

I also need to remember to communicate what I've done for problem solving more clearly and use diagrams to help.