MINIMUM PROFICIENCY LEVELS Described, unpacked and illustrated

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Proportion of children and young people:

(a) in grades 2/3;(b) at the end of primary; and(c) at the end of lowersecondary

achieving at least a minimum proficiency level in (i) reading and (ii) mathematics, by sex

A collaborative process



- Consultants worked with UIS to draft Minimum Proficiency Levels (MPLs) mid 2018
- Consensus building meeting around MPLs, Paris August 2018
- Consultants worked with UIS to tidy up MPLs
- Tidied version of MPLs taken to GAML 5
- IBE produced Curriculum and Assessment Frameworks
- Early 2019, ACER conducted a review of the MPLs. Provided some illustrative materials
- The Global Reading Network and Management Systems International, supported by USAID and UIS, organized two week-long workshops in April and May 2019, to develop Performance Level Descriptors from Grade 2 to Grade 6 in reading and mathematics.

Culmination

The reference document on MPLs prepared by ACER for GAML 6 is based on the substantive body of work undertaken by these various groups in the last 12 months

It provides:

- Refined MPL statements
- Expanded descriptions of MPLs
 suitable for experts
- A comprehensive list of constructs within each domain
- Example descriptors of tasks within each construct
- Items that illustrate the descriptors

It recommends:

- Terms consistent with IBE curriculum and assessment frameworks
- Focusing on the lower grade level in each MPL

Refinement Example: Reading End of Lower Primary (Grades 2/3)



Consensual Levels	Refinement
(Nitko, October 2018)	(ACER, July 2019)
Grade 2: They read and comprehend most of written words, particularly familiar ones, and extract explicit information from sentences. Grade 3: Students read aloud written words accurately and fluently. They understand the overall meaning of sentences and short texts. Students identify the texts' topic.	Students read aloud and comprehend many single written words, particularly familiar ones, and extract explicit information from sentences. They make simple inferences when longer texts are read aloud to them.

A full set of comparisons is provided in the Appendix of the document

Refinement Example: Mathematics End of Primary



Consensual Levels	Refinement
(Nitko, October 2018)	(ACER, July 2019)
Students demonstrate skills in	Students demonstrate skills in
number sense and computation,	number sense, computation, real
basic measurement, reading,	world problems, basic measurement,
interpreting, and constructing	2D shape recognition, and reading
graphs, spatial orientation, and	and interpreting simple data
number patterns.	displays.

A full set of comparisons is provided in the Appendix of the document

Recommended terms for levels of detail

Learning area

Domain

Construct

Descriptor

Learning area	Mathematics
Domain	Number knowledge Measurement Statistics and probability Geometry Algebra
Construct	Number sense Operations Real world problems Fractions Decimals Exponents
Descriptor	 For example: Count, read, write, compare and order whole numbers up to 30 Tell time using analogue clock to the nearest half hour

Mathematics: End of primary

Nutshell statement (MPL)

Students demonstrate skills in number sense, computation, real world problems, basic measurement, 2D shape recognition, and reading and interpreting simple data displays.

Expanded statement



Learning Area: Mathematics

Domain: Number Knowledge

End of Primary

	Construct	Descriptor
	Number sense (counting, reading, writing, comparing, and ordering)	Read, write, compare, and order whole numbers up to 10,000 Skip count forwards and backwards using twos, fives, tens, hundreds, and thousands.
	Real-world problems	Solve simple real-world problems using the four operations, with the unknown in different positions.
	Operations (adding and subtracting)	Add and subtract whole numbers within 1,000.

Extract only, a full set of constructs and more example descriptors are the paper

Problem Solved

In the first half of a game, the Tigers score 1 goal and the Lions score 4 goals. In the second half, both teams score the same number of goals. At the end of the game, 9 goals have been scored altogether.

How many goals did each team score in the second half?

goals



Domain	Construct	Descriptor
Number knowledge	Real-world problems	Solve simple real-world problems using the four operations, with the unknown in different positions.

Task solution: 3

Commentary: This task requires students to understand what the question is asking, develop strategies to enable them to solve the problem, then carry out those strategies and calculations to determine the answer. Students may choose to solve the problem using materials, mental methods or written algorithms. They may use concrete materials such as counters to represent the goals scored. They may use known number facts (such as bonds to 9), or they may write down the numbers and develop number sentences to solve each step of the problem.

Conclusion

Intelligibility for a variety stakeholders

Fairness and comparability across countries

Consistency between mathematics and reading

A set of tightly defined, comprehensive described MPLs illustrated with items, will:

- Assist policy linking
- Assist empirical linking of national assessments
- Identify more specific cutpoints within existing proficiency levels of assessment programs
- Contribute to and help guide development of a global item pool around the MPLs





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