



Asia Pacific Junior Secondary Assessment on English and Mathematics

December 2019

Assessment Framework – Mathematics

- 1. Assessment Level**
Secondary 3; Year 9; or equivalent
- 2. Assessment Dimensions and Duration**
 - (a) Numbers and Algebra (數與代數)
 - (b) Measures, Shapes and Space (度量、圖形與空間)
 - (c) Data Handling (數據處理)Duration: 65mins

Section	Item Type	Score Percentage
Section A	Multiple Choice Questions	40%
Section B	Short Questions	30%
Section C	Long Questions	30%

- 3. Test Paper Language**
English or Chinese
- 4. Standard Setting and Maintenance**

The performance of the students will be graded from Level 1 to 5, 5 being the highest grade, on a standard reference basis, i.e. students reaching the level benchmark will be granted the level grade. The percentage of different levels (1 to 5) achieved by the participating schools will be calculated and reported accordingly.

The Assessment Scheme will be set at the level of Key Stage 3 (Secondary 3) and maintained in future years. The grading of the Assessment Scheme in the coming years will be of the same standard.

- 5. Sample of School Report**

The school report after assessment will generally include the following parameters:

Date of Assessment	Number of students	Maximum score (A)	School average score (B)	School average as a % of maximum score (B/A X 100%)	Overall average as a % of maximum score
December 2019	50	100	84.6	84.6%	79.8%

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Number of students completing Mathematics	Number of students achieving Level 5	Number of students achieving Level 4	Number of students achieving Level 3	Number of students achieving Level 2	Number of students achieving Level 1
50	5	18	17	8	2

	Percentage of students completing assessment	Percentage of students achieving Level 5	Percentage of students achieving Level 4	Percentage of students achieving Level 3	Percentage of students achieving Level 2	Percentage of students achieving Level 1
The School	100%	10%	36%	34%	16%	4%
Whole group	*%	*%	*%	*%	*%	*%

6. Sample of Student Report

The student report after assessment will generally include the following aspects:

Date of Assessment	Maximum score	Score	School average as a % of maximum score	Overall average as a % of maximum score
December 2019	100	88	84.6%	79.8%

Performance Sample 1 Student: Tsang Yat Shing Paul

Item no.	Option	Score	School percentage	Overall percentage
Q1 <i>[MC question]</i>	A	2 <i>[student got full mark of 2]</i>	3.5%	5.7%
	B*		82.3%	89.7%
	C		8.3%	1.1%
	D		4.9%	3.5%
	U#		1.0%	0.0%
Q21 <i>[non-MC question]</i>	0	2 <i>[student got full mark of 2]</i>	12.8%	5.8%
	2 <i>[the marking in this question is either 2 or 0]</i>		77.2%	94.2%
Q22	0	0	17.4%	13.3%
	2		82.6%	86.7%

* Correct answer

No or invalid answer



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Performance Sample 2 Student: Yeung Mei Lai Macy

Item no.	Option	Score	School percentage	Overall percentage
Q1	A	0 <i>[student incorrectly chose D]</i>	3.5%	5.7%
	B*		82.3%	89.7%
	C		8.3%	1.1%
	D		4.9%	3.5%
	U#		1.0%	0.0%
Q21	0	2 <i>[student got full mark of 2]</i> <i>[the marking in this question is either 2 or 0]</i>	12.8%	5.8%
	2		77.2%	94.2%
Q22	0	0	17.4%	13.3%
	2		82.6%	86.7%

* Correct answer

No or invalid answer