

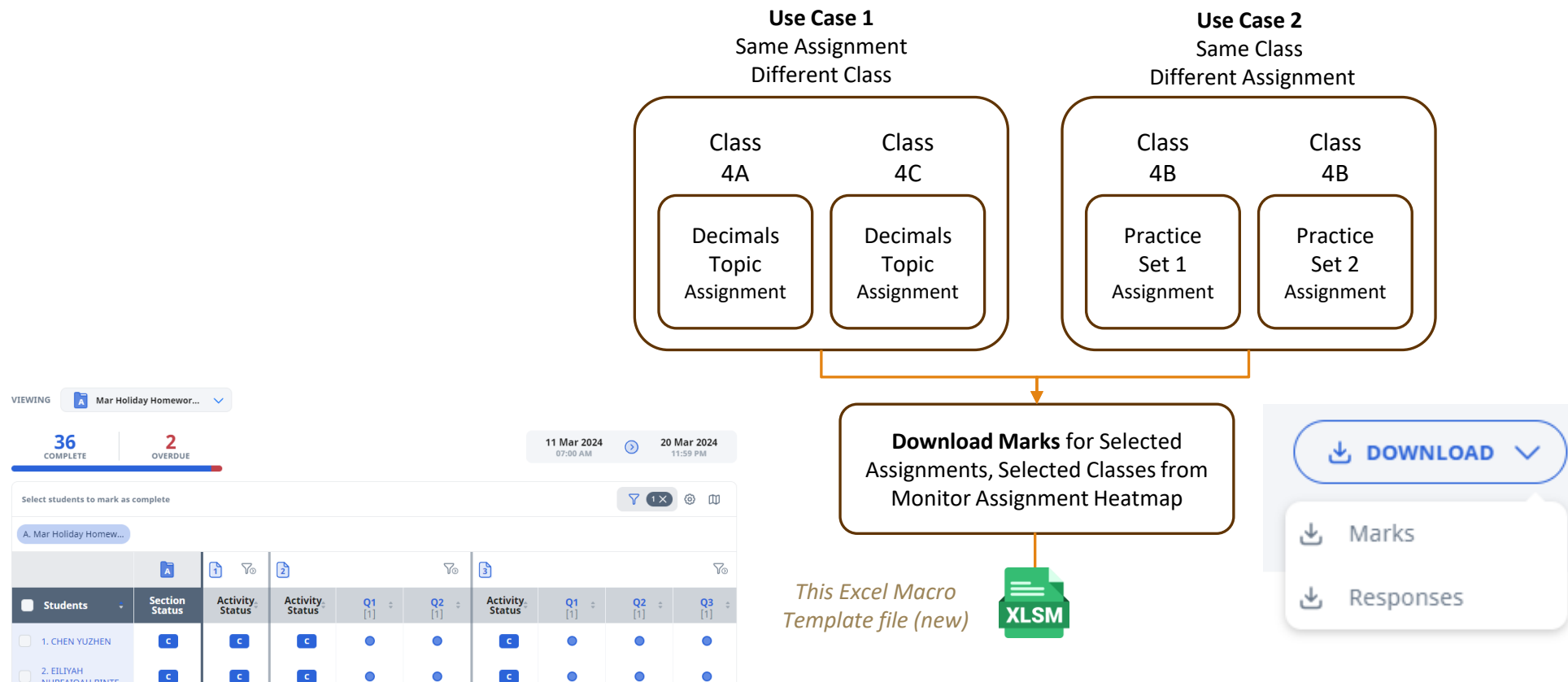
Short Guide to Excel Macro Template for processing SLS Marks downloads

SEPTEMBER 2024

Excel Macro Value Proposition

Can it view and/or aggregate...	Download Marks and Excel Macro	Monitoring Heatmap	Learning Progress Current Version	Learning Progress in Nov 2024
Single Class	✓	✓	✓	✓
Multiple Classes	✓	✗	✗	✓
Single Assignment	✓	✓	✗	✗
Selected Assignments	✓	✗	✗	✗
Same Assignment across multiple Classes	✓	✗	✗	✗
Topic Level Analysis	✗	✗	✓	✓
for novel uses like 21CCN and customisable	✓	✗	✗ because aggregate ALL assignments	✓

Excel Macro Value Proposition



What the Excel Macro Template does

The macro and dashboard in the template helps you to:

- a. Unzip Marks files from multiple Assignment downloaded from SLS reports and collate into a database;
- b. Generates a Dashboard which summarises all classes & students' responses for each assignment; and
- c. Analyse performance of each class and student i.e., Completion %, Correct answer %, mean score, difficulty level and Top/ Bottom 10 students

 *We invite you to make amendments to the Excel Macro and apply new conditional formatting, customising it to suit your school's specific needs. Please consider sharing your improved version with the community to pay it forward.*

Step by step instructions

2. Check that the name Zip file in this format:
Marks_<Class Group>_<Name of Assignment>_YYYYMMDD

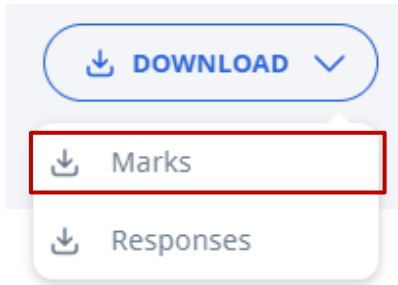
How to save SLS Marks files into folder

1. Download Marks report files for all classes' assignments from SLS* into one folder in your computer.

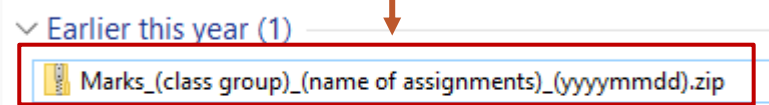
2. Keep the files as a zip file and check that the name is in this format: **Marks_<Class Group>_<Name of Assignment>_YYYYMMDD**

3. Before opening it, right click on the Excel file. Select "Properties" > Select "Unblock" > Click OK.

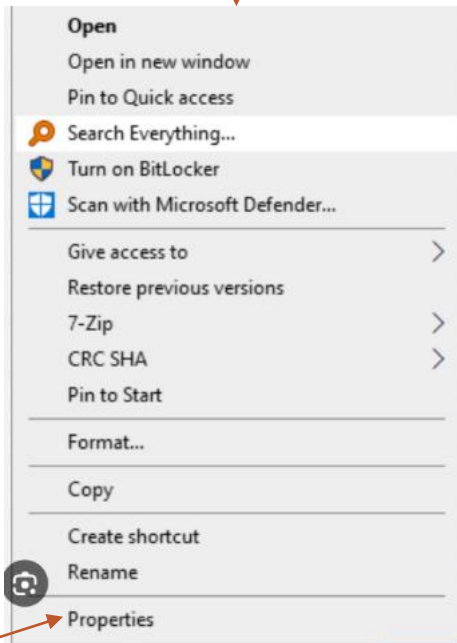
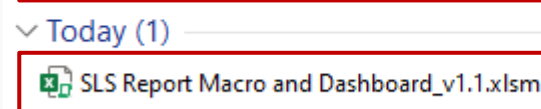
1



2

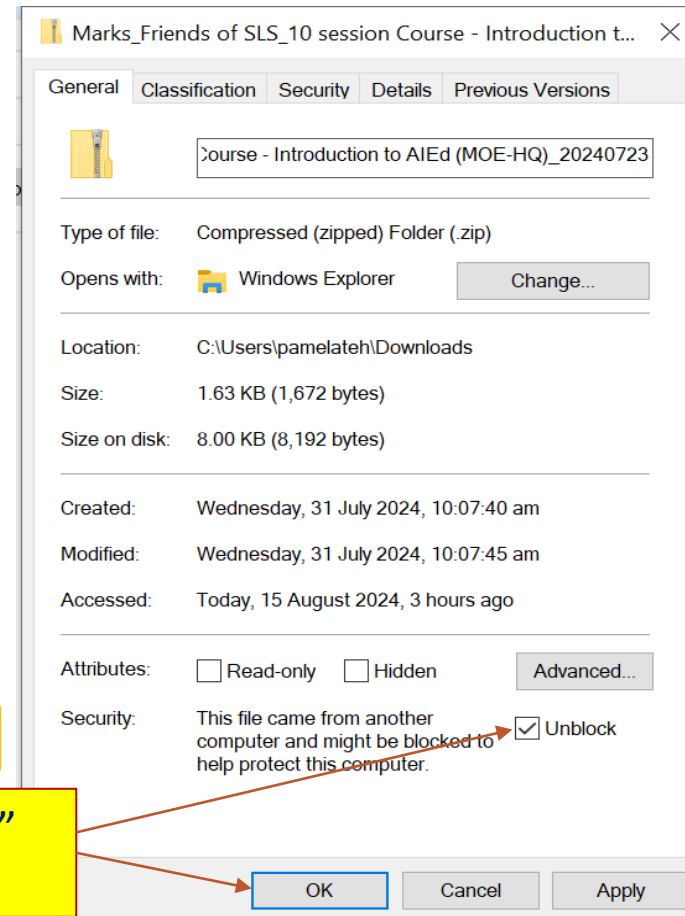


3



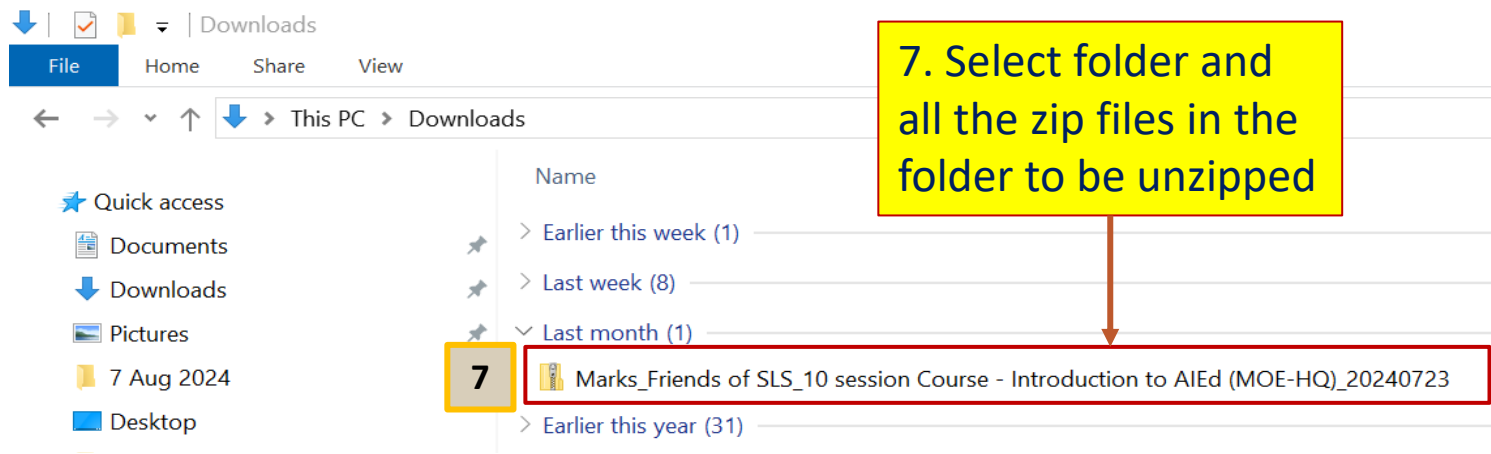
3. Right click on file folder and select "Properties"

3



3. Select "Unblock" and click OK

**How to download SLS report:*
<https://www.learning.moe.edu.sg/admin-user-guide/administer/generate-reports/>



Steps to using Macro (Refer “Macro” tab)

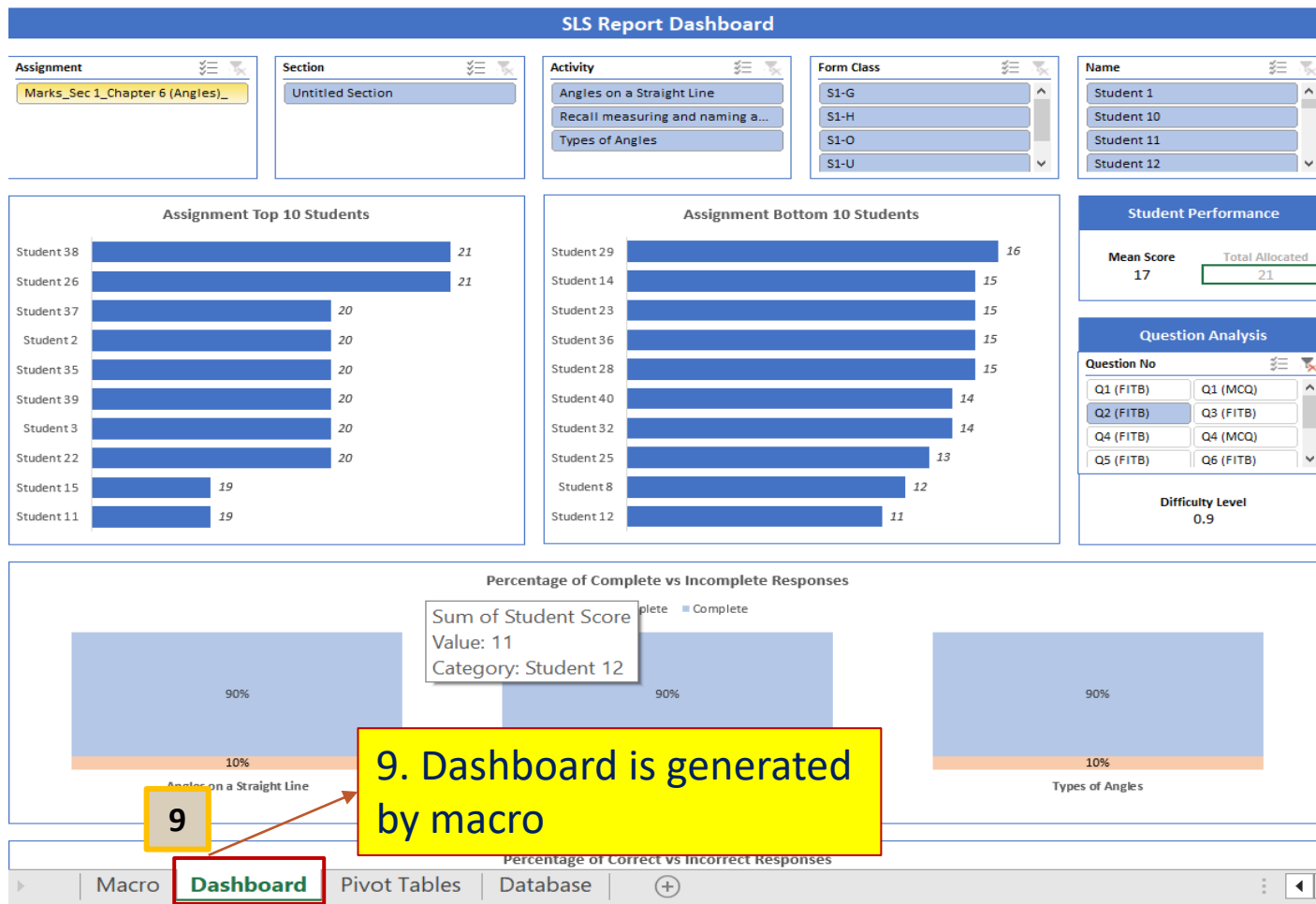
5. Open the macro template: **SLS Report Macro and Dashboard_v1.0**

6. Click the “Create Database & Dashboard” Macro button in “Macro” tab.

7. A dialog box will open. Select folder and all the zip files in the folder to be unzipped.

8. Do not be alarmed by the blinking windows. Each of the csv files from the zip files will be opened sequentially.

9. The Dashboard will be generated by the macro and appears in "Dashboard" tab.



SLS Report Dashboard

Metrics in the Dashboard
(Refer “Dashboard” tab)

Assignment

Marks_Sec 1_Chapter 6 (Angles)_

Section

Untitled Section

Activity

Angles on a Straight Line

Recall measuring and naming a...

Types of Angles

Form Class

S1-G

S1-H

S1-O

S1-U

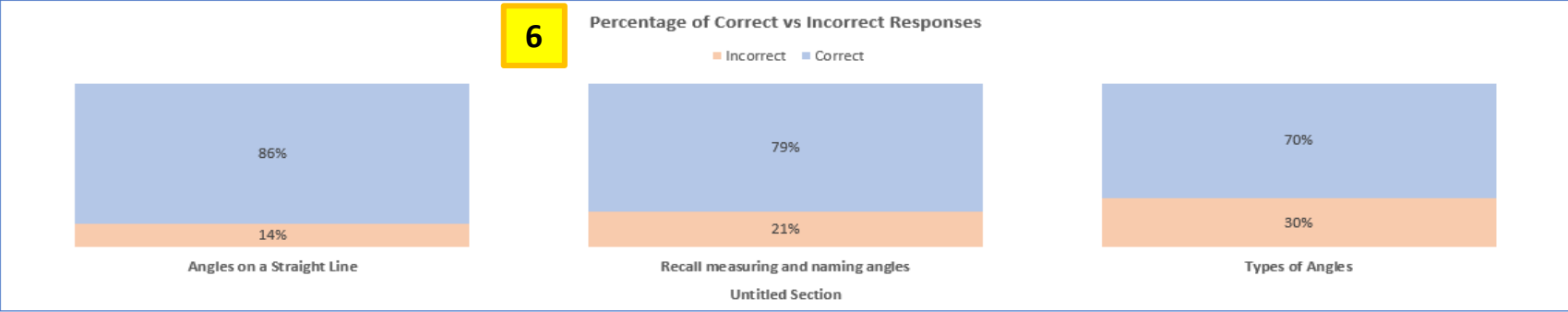
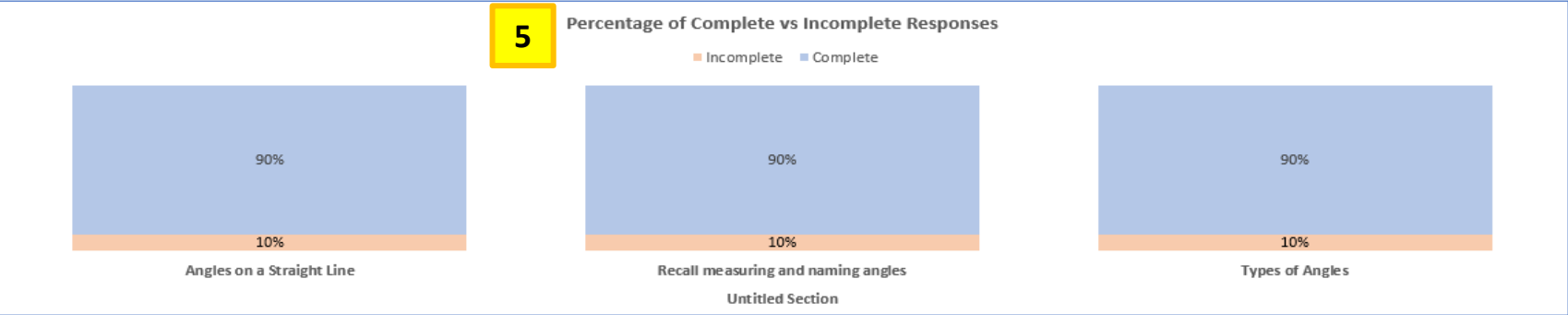
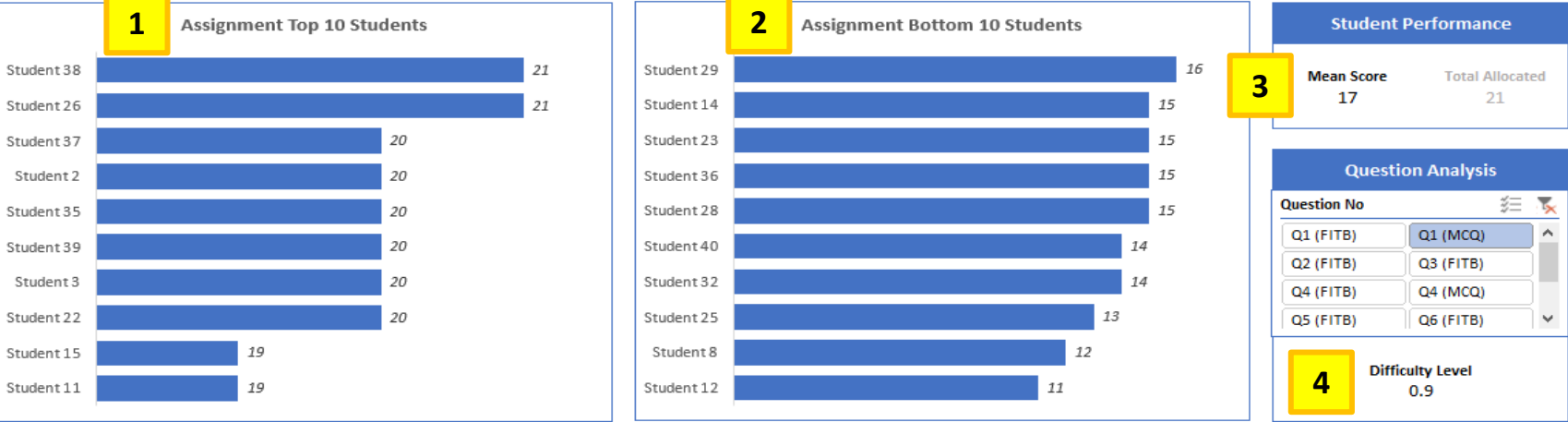
Name

Student 1

Student 10

Student 11

Student 12



Metric no.	What it means
1. Top 10 students	Top 10 scores for the assignment
2. Bottom 10 students	Bottom 10 scores for the assignment
3. Mean score	Average score of all students who attempted each question
4. Difficulty level	Ratio/Proportion of correct answers for each question
5. Complete vs Incomplete Responses	% of completion
6. Correct vs Incorrect Responses	% of correct responses

SLS Report Dashboard

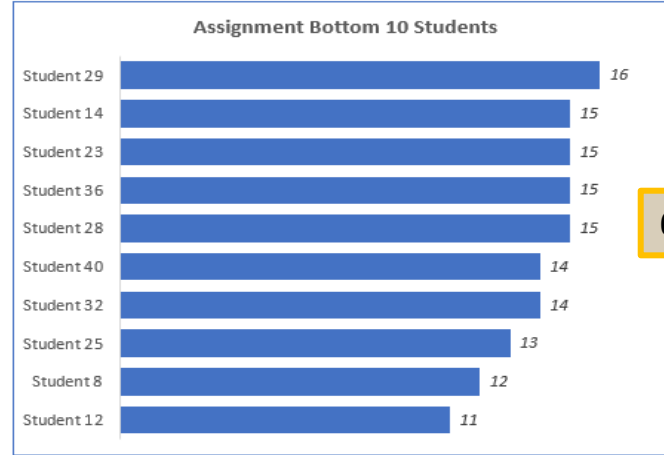
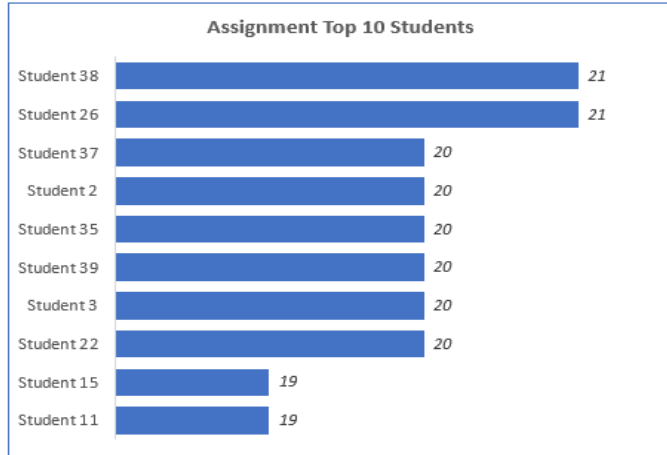
1 Assignment

2 Section

3 Activity

4 Form Class

5 Name



Student Performance

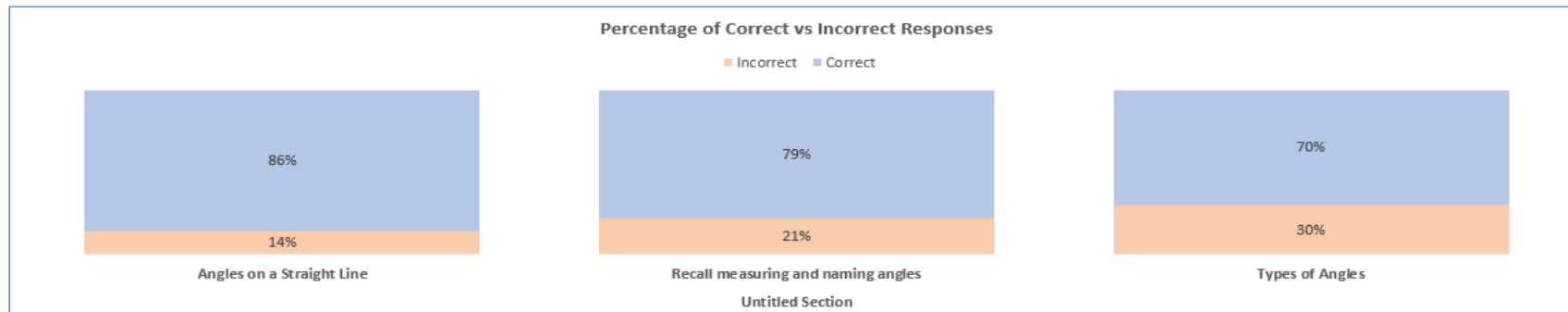
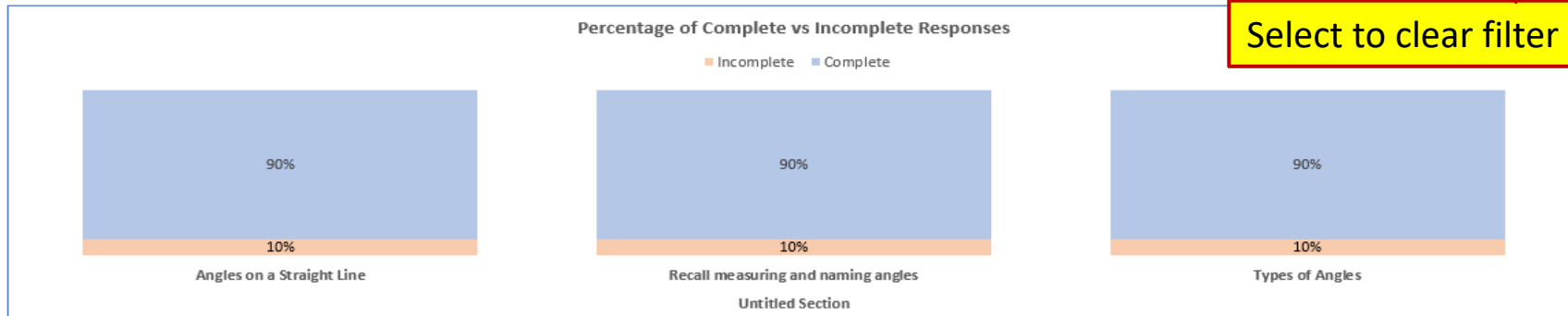
Mean Score	Total Allocated
17	21

Question Analysis

Question No

Q1 (FITB)	Q1 (MCQ)
Q2 (FITB)	Q3 (FITB)
Q4 (FITB)	Q4 (MCQ)
Q5 (FITB)	Q6 (FITB)

Difficulty Level
0.9



Slicer Boxes in the Dashboard (Refer “Dashboard” tab)

Click and select single/ multiple fields in any of the six slicer boxes in the dashboard to view graph results:

1. Assignment
2. Section
3. Activity
4. Form Class
5. Name
6. Question No

Select to clear filter

If you want to select all the options in the box, click icon  In the box to clear filter.

FAQ

1. Can this dashboard be generated for all SLS reports?

Answer: The macro does not process Response report files, only Marks files. Learning progress reports are not in scope.

2. Why do I see additional tabs like “Pivot Tables” and “Database” in this file?

Answer: These tabs are for your reference. The macro unzips all Marks files, reformats raw data and collates them into a database. Pivot tables are generated from the database in order to churn out the Dashboard. You can generate other Pivot tables from the database for other analysis if you need.

3. Who do I approach for queries/ suggestions on this dashboard?

Answer: Please email: SLS_Ops@moe.gov.sg