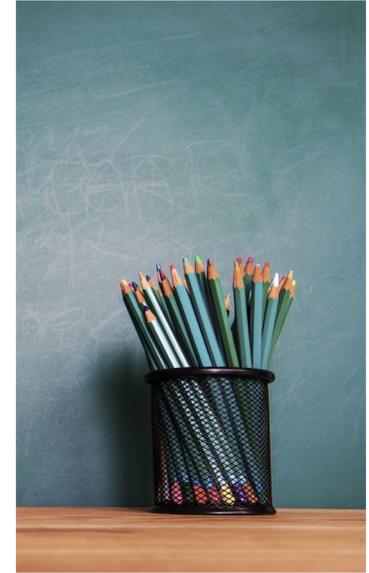


How to Use the TOFAS Results

For **Teachers**

Sprix Global Strategy Division



Contents



1. Provided Results
2. Identify Strengths and Weaknesses of a Student
3. Use Global Ranking as an Indicator
4. Identify Strengths and Weaknesses in a Class
5. Grouping Students in a Class
6. Providing Results to Students and Parents

Here I will introduce how you can utilize the results of TOFAS to effectively group students for targeted intervention, to target individuals for focused attention, and to fit in a variety of teaching styles.

1. Provided Results



Individual

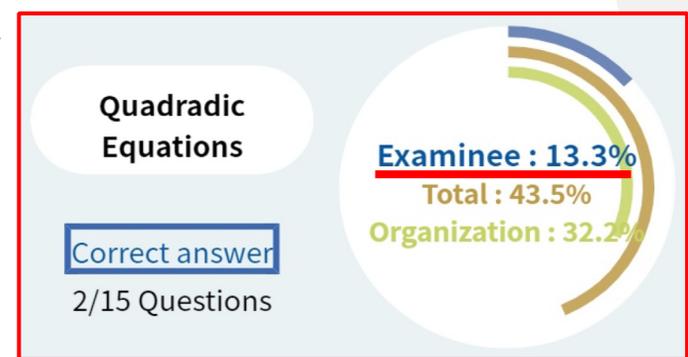
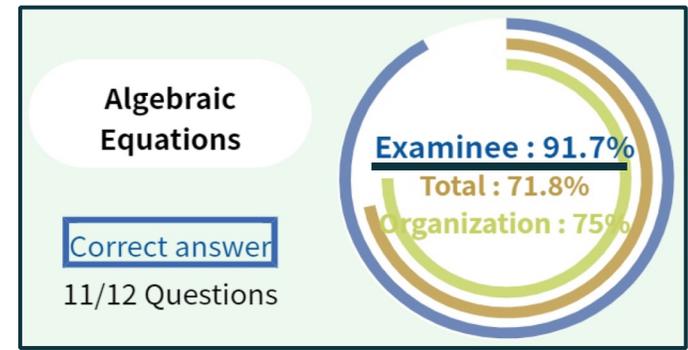
	A	B	C	D	E	F	G
1	Examinee name	Organization name	Class	Grade	Level	Category title	Percent correct
16	Student 2	Sprix School	9D	9	6	Factoring Polynomials	95%
17	Student 2	Sprix School	9D	9	6	Quadratic Equations	84%
18	Student 3	Sprix School	9D	9	6	Positive and Negative Numbers	100%
19	Student 3	Sprix School	9D	9	6	Equations and Algebraic Equations	40%
20	Student 3	Sprix School	9D	9	6	Polynomial Equations	0%
21	Student 3	Sprix School	9D	9	6	Systems of Equations	0%
22	Student 3	Sprix School	9D	9	6	Calculating Square Roots	20%
23	Student 3	Sprix School	9D	9	6	Expanding Expressions	20%
24	Student 3	Sprix School	9D	9	6	Factoring Polynomials	43%
25	Student 3	Sprix School	9D	9	6	Quadratic Equations	37%
26	Student 4	Sprix School	9D	9	6	Positive and Negative Numbers	80%
27	Student 4	Sprix School	9D	9	6	Equations and Algebraic Equations	100%
28	Student 4	Sprix School	9D	9	6	Polynomial Equations	60%
29	Student 4	Sprix School	9D	9	6	Systems of Equations	60%
30	Student 4	Sprix School	9D	9	6	Calculating Square Roots	95%
31	Student 4	Sprix School	9D	9	6	Expanding Expressions	100%
32	Student 4	Sprix School	9D	9	6	Factoring Polynomials	95%
33	Student 4	Sprix School	9D	9	6	Quadratic Equations	37%

Raw Result Data

There are two different types of results we provide after the test: The individual reports and the raw data exported in an Excel file format. We also provide certificates for those who scored at least 80%.



2. Identify Strengths and Weaknesses of a Student



To identify the strengths and weaknesses of an individual student, the best and easiest way would be to use the individual report and look at the student's percentage in each category. Students should be praised for their efforts on their strengths. Extra support is needed in topics where students struggled.



2. Identify Strengths and Weaknesses of a Student

Polynomial Equations

Correct answer
10/15 Questions

Examinee : 66.7%
Total : 55.4%
Organization : 56.7%

★★★★
Able to expand algebraic expressions.

★★★☆
Practice using the factorisation formulas to solve expressions.

★★★★
Able to factorize by grouping common factors.

Square Root

Correct answer
10/20 Questions

Examinee : 50%
Total : 45.9%
Organization : 37.5%

★★★☆☆
Practice multiplying and dividing square roots.

★★★☆☆
Practice rationalizing and calculating numbers out of the $\sqrt{\quad}$.

★★★☆☆
Practice adding and subtracting square roots.



You can see how well the student retained skills already learned by looking at the percentage in each category. The comments given in each category will easily direct you to the specific task the student needs to gain competency in this area.

2. Identify Strengths and Weaknesses of a Student

Polynomial Equations

Correct answer
10/15 Questions

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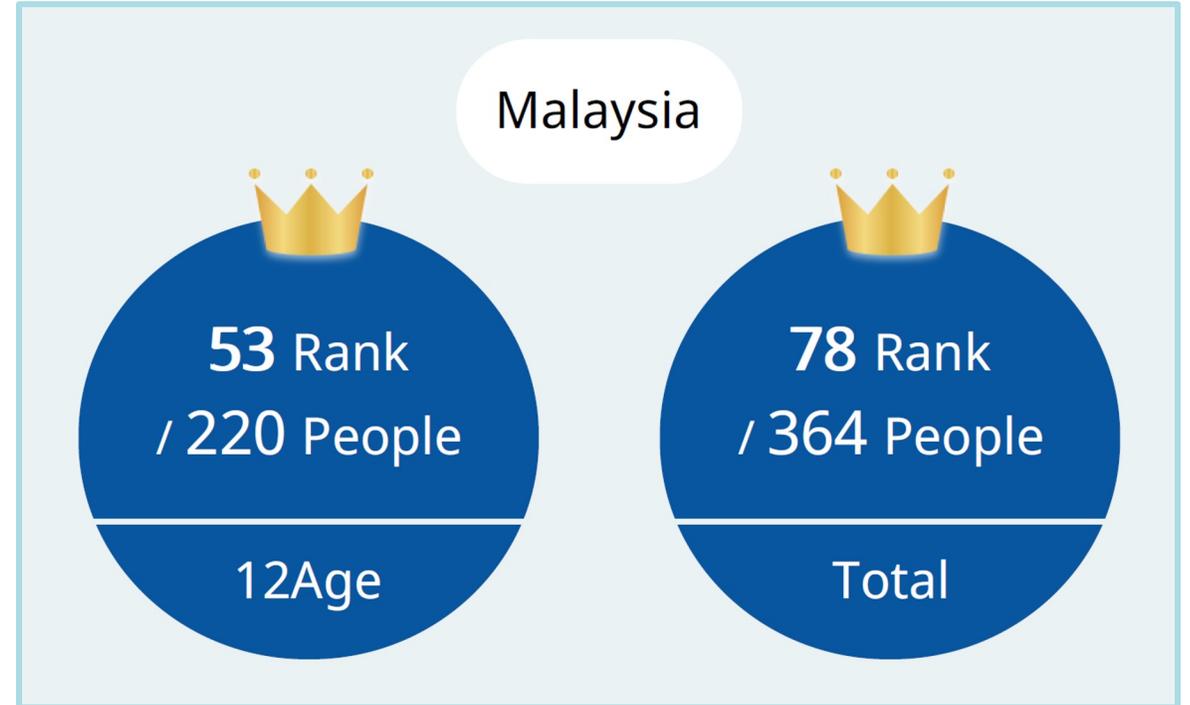
★★☆
Practice rationalizing and calculating numbers out of the $\sqrt{\quad}$.

★★☆
Practice adding and subtracting square roots.



In this example, the student scored 66% in Polynomial Equations and 50% in Square Root, and those numbers might not seem high. However, if you look at the organization, this student actually scored better than the average student in the organization. Furthermore, this student outperformed the average among all the students who have taken the test.

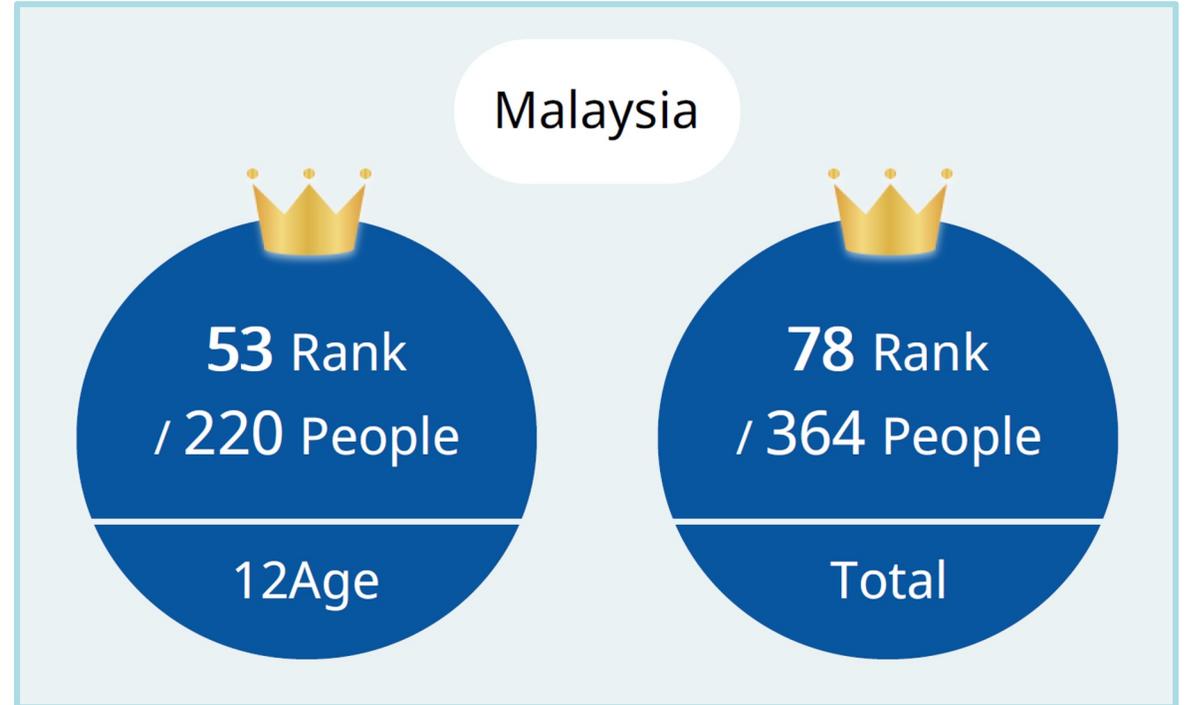
3. Use Global Ranking as an Indicator



Individual

You can also see exactly where the students stand among others that have taken the same test. On an individual basis, this can be an indicator for how well the student performed and perhaps some surprising facts for the students might be found. For example, a student who usually doesn't perform well might score better in this type of assessment. Praising students who ranked well will boost their self esteem and confidence.

3. Use Global Ranking as an Indicator



Alternatively, you can encourage students to raise their rank the next time they take the test. On a classroom basis, this global ranking may show the difference in levels between class A and B and can lead to a revision of the curriculum depending on each class.

Individual

4. Identify Strengths and Weaknesses in a Class



	A	B	C	D	E	F	G
1	Examinee name	Organization name	Class	Grade	Level	Category title	Percent correct
16	Student 2	Sprix School	9D	9	6	Factoring Polynomials	95%
17	Student 2	Sprix School	9D	9	6	Quadratic Equations	84%
18	Student 3	Sprix School	9D	9	6	Positive and Negative Numbers	100%
19	Student 3	Sprix School	9D	9	6	Equations and Algebraic Equations	40%
20	Student 3	Sprix School	9D	9	6	Polynomial Equations	0%
21	Student 3	Sprix School	9D	9	6	Systems of Equations	0%
22	Student 3	Sprix School	9D	9	6	Calculating Square Roots	20%
23	Student 3	Sprix School	9D	9	6	Expanding Expressions	20%
24	Student 3	Sprix School	9D	9	6	Factoring Polynomials	43%
25	Student 3	Sprix School	9D	9	6	Quadratic Equations	37%
26	Student 4	Sprix School	9D	9	6	Positive and Negative Numbers	80%
27	Student 4	Sprix School	9D	9	6	Equations and Algebraic Equations	100%
28	Student 4	Sprix School	9D	9	6	Polynomial Equations	60%
29	Student 4	Sprix School	9D	9	6	Systems of Equations	60%
30	Student 4	Sprix School	9D	9	6	Calculating Square Roots	95%
31	Student 4	Sprix School	9D	9	6	Expanding Expressions	100%
32	Student 4	Sprix School	9D	9	6	Factoring Polynomials	95%
33	Student 4	Sprix School	9D	9	6	Quadratic Equations	37%



If you want to identify the strengths and weaknesses in a class, we use the raw data in the Excel file. Doing this will help you plan targeted daily lessons, a supplementary lesson before an exam, or choose a homework topic to review. In addition, it might cause you to relook at your curriculum to see any possible topics that need more reinforcement. If students take the TOFAS multiple times throughout their school years, teachers can easily track their progress and compare results.

Raw Result Data

4. Identify Strengths and Weaknesses in a Class



TOFAS Data Export by Topic.xlsx - Excel							
	C	D	E	F	G		
1	Examinee name	Organization name	Class	Grade	Level	Category title	
6	Student 1	Sprix School	9D	9	6	Cal	95%
14	Student 2	Sprix School	9D	9	6	Cal	90%
22	Student 3	Sprix School	9D	9	6	Cal	20%
30	Student 4	Sprix School	9D	9	6	Cal	95%
38	Student 5	Sprix School	9D	9	6	Cal	100%
46	Student 5	Sprix School	9D	9	6	Cal	25%
54	Student 6	Sprix School	9D	9	6	Cal	60%
62	Student 7	Sprix School	9D	9	6	Cal	25%
70	Student 8	Sprix School	9D	9	6	Cal	100%
78	Student 9	Sprix School	9D	9	6	Cal	30%
86	Student 10	Sprix School	9D	9	6	Cal	95%
94	Student 11	Sprix School	9D	9	6	Cal	65%
102	Student 12	Sprix School	9D	9	6	Cal	90%
110	Student 13	Sprix School	9D	9	6	Calculating Square Roots	100%
118	Student 14	Sprix School	9D	9	6	Calculating Square Roots	80%
126	Student 15	Sprix School	9D	9	6	Calculating Square Roots	100%



There are a few steps you need to do to find the class strengths and weaknesses. We do this by looking at the class average in each topic. You will use the file titled "TOFAS Data Export by Topic" to filter by topics and show the percentage in each category for each student.

4. Identify Strengths and Weaknesses in a Class



TOFAS Data Export by Topic.xlsx - Excel							
	C	D	E	F	G		
1	Examinee name	Organization name	Class	Grade	Level	Category title	Percent correct
6	Student 1	Sprix School	9D	9	6	Cal	95%
14	Student 2	Sprix School	9D	9	6	Cal	90%
22	Student 3	Sprix School	9D	9	6	Cal	20%
30	Student 4	Sprix School	9D	9	6	Cal	95%
38	Student 5	Sprix School	9D	9	6	Cal	100%
46	Student 5	Sprix School	9D	9	6	Cal	25%
54	Student 6	Sprix School	9D	9	6	Cal	60%
62	Student 7	Sprix School	9D	9	6	Cal	25%
70	Student 8	Sprix School	9D	9	6	Cal	100%
78	Student 9	Sprix School	9D	9	6	Cal	30%
86	Student 10	Sprix School	9D	9	6	Cal	95%
94	Student 11	Sprix School	9D	9	6	Cal	65%
102	Student 12	Sprix School	9D	9	6	Cal	90%
110	Student 13	Sprix School	9D	9	6	Calculating Square Roots	100%
118	Student 14	Sprix School	9D	9	6	Calculating Square Roots	80%
126	Student 15	Sprix School	9D	9	6	Calculating Square Roots	100%

Overall results Systems of Equations Quadratic Equations Positive and Negative Numbers Polynomial Equations Factoring Polynoi ...



Step 1: Make a separate sheet for each topic. Click the filter icon next to Category Title and unclick (Select All). Then, click a topic. Select all the data by pressing CONTROL+A and copy by pressing CONTROL+C. Create a new sheet by pressing the + sign at the bottom right on the window. Then paste the data by pressing CONTROL+V. You may title that sheet with the topic. Do this for all topics.

Raw Result Data



4. Identify Strengths and Weaknesses in a Class



	A	B	C	D	E	F	G
16	Student 14	Sprix School	9D	9	6	Equations and Algebraic Equations	1
17	Student 15	Sprix School	9D	9	6	Equations and Algebraic Equations	0.6
18	Student 16	Sprix School	9D	9	6	Equations and Algebraic Equations	0.8
19	Student 17	Sprix School	9D	9	6	Equations and Algebraic Equations	0.4
20	Student 18	Sprix School	9D	9	6	Equations and Algebraic Equations	0.6
21	Student 19	Sprix School	9D	9	6	Equations and Algebraic Equations	0.4
22	Student 20	Sprix School	9D	9	6	Equations and Algebraic Equations	0.2
23	Student 21	Sprix School	9D	9	6	Equations and Algebraic Equations	0.8
24	Student 22	Sprix School	9D	9	6	Equations and Algebraic Equations	0.4
25	Student 23	Sprix School	9D	9	6	Equations and Algebraic Equations	0.4
26	Student 24	Sprix School	9D	9	6	Equations and Algebraic Equations	0.8
27	Student 25	Sprix School	9D	9	6	Equations and Algebraic Equations	0.6
28							0.561538462
29							

Formula bar: `=AVERAGE(G2:G27)`

Tab: Equations and Algebraic Equatio



Step 2: Once the sheets have been created for each topic, select the tab with the topic you would like to analyze.

Step 3: Format Column G by selecting column G and right clicking to Format Cells. Then select General and press ok.

Step 4: Type =AVERAGE(and select the range in Column G and press Enter. The number that appears will be the average.

Raw Result Data

4. Identify Strengths and Weaknesses in a Class

Topic	Average Percent	
Calculating Square Roots	61%	
Equations and Algebraic Equations	56%	
Expanding Expressions	62%	
Factoring Polynomials	58%	
Polynomial Equations	52%	
Positive and Negative Numbers	81%	Highest
Quadratic Equations	47%	
Systems of Equations	43%	Lowest

After you find the average for each topic, compare them and identify the topics the students did the best and the least. Here, you can see that students performed best in 'Positive and Negative Numbers' and struggled with 'Systems of Equations' and would benefit from additional practice. When you find which topic to target, assign students a task or homework assignment based on the textbooks or learning materials.

Raw Result Data

5. Grouping Students in a Class



	A	B	C	D	E	F	G
1	Examinee name	Organization name	Class	Grade	Level	Category title	Percent correct
2	Student 1	Sprix School	9D	9	6	Positive and Negative Numbers	80%
3	Student 1	Sprix School	9D	9	6	Equations and Algebraic Equations	0%
4	Student 1	Sprix School	9D	9	6	Polynomial Equations	20%
5	Student 1	Sprix School	9D	9	6	Systems of Equations	40%
6	Student 1	Sprix School	9D	9	6	Calculating Square Roots	95%
7	Student 1	Sprix School	9D	9	6	Expanding Expressions	5%
8	Student 1	Sprix School	9D	9	6	Factoring Polynomials	19%
9	Student 1	Sprix School	9D	9	6	Quadratic Equations	32%
10	Student 2	Sprix School	9D	9	6	Positive and Negative Numbers	100%
11	Student 2	Sprix School	9D	9	6	Equations and Algebraic Equations	100%
12	Student 2	Sprix School	9D	9	6	Polynomial Equations	100%
13	Student 2	Sprix School	9D	9	6	Systems of Equations	80%
14	Student 2	Sprix School	9D	9	6	Calculating Square Roots	90%
15	Student 2	Sprix School	9D	9	6	Expanding Expressions	95%
16	Student 2	Sprix School	9D	9	6	Factoring Polynomials	95%
17	Student 2	Sprix School	9D	9	6	Quadratic Equations	81%

Next, let's group students with similar needs.

Doing this will help you give advanced tasks for those who performed well, and also supplementary tasks for those who struggled. An example of giving an advanced task could be having the students who performed well teach those who need the extra support.

Raw Result Data

5. Grouping Students in a Class



title	Percent correct	Correct answers	Total
Sort Smallest to Largest		0	
Sort Largest to Smallest		0	
Sort by Color		2	
Clear Filter From "Percent correct"		5	
Filter by Color		5	

Number Filters

Search

- (Select All)
- 0%
- 5%
- 10%
- 14%
- 15%
- 16%
- 19%
- 21%
- 24%
- 25%

OK Cancel

Custom AutoFilter

Show rows where:

Percent correct

is less than 20%

And Or

Use ? to represent any single character
Use * to represent any series of characters

First, apply the Less Than or Greater Than number filter . In this example, Less Than was selected. Then, 20% was inputted to find the students who struggled. Selecting the Greater Than number filter and inputting 80% will give you the students who performed well.

6. Providing Results to Students and Parents



Measure your potential

Test result

7th Calculation Lv 3

Examinee Information

Name: Student 30

Age: 12

Countries and Regions: Malaysia

Overall result

Result of this time: **Passed**

Correct answer rate: **90%**

Malaysia

53 Rank / 220 People

12Age

78 Rank / 364 People

Total

World

59 Rank / 370 People

12Age

158 Rank / 1155 People

Total

【 Understanding by topic / result analysis 】

<p>Multiplication - Division</p> <p>Correct answer: 8/8 Questions</p> <p>Examinee: 100.0% Total: 79.2% Organization: 84.5%</p> <p>★★★★</p> <p>Able to divide with remainders.</p>	<p>★★★★</p> <p>Able to multiply numbers with regrouping.</p>	<p>★★★★</p> <p>You can multiply and divide up to three-digit numbers.</p>	<p>Adding and Subtracting Fractions</p> <p>Correct answer: 14/15 Questions</p> <p>Examinee: 93.3% Total: 48.3% Organization: 58.4%</p> <p>★★★★</p> <p>Able to add and subtract fractions and decimals.</p>	<p>★★★★</p> <p>You can add and subtract fractions that require simplifying.</p>
<p>Adding and Subtracting Decimals</p> <p>Correct answer: 12/14 Questions</p> <p>Examinee: 85.7% Total: 68.8% Organization: 79.5%</p> <p>★★★★</p> <p>Able to add and subtract whole numbers and decimals.</p>	<p>★★★★</p> <p>Able to align the decimal point to add and subtract.</p>	<p>★★★★</p> <p>You can add and subtract to the third decimal place.</p>	<p>Order of Operations</p> <p>Correct answer: 5/6 Questions</p> <p>Examinee: 83.3% Total: 71.4% Organization: 78.7%</p> <p>★★★★</p> <p>Able to calculate when equations include a parentheses.</p>	<p>★★★★</p> <p>Able to follow multiplying first.</p>
<p>Multiplying and Dividing Decimals</p> <p>Correct answer: 12/12 Questions</p> <p>Examinee: 100.0% Total: 64.9% Organization: 79.2%</p> <p>★★★★</p> <p>You can divide decimals by decimals and between decimals and whole numbers.</p>	<p>★★★★</p> <p>You can multiply decimals by decimals and with decimals and whole numbers.</p>	<p>Multiplying and Dividing Fractions</p> <p>Correct answer: 12/15 Questions</p> <p>Examinee: 80.0% Total: 46.1% Organization: 53.0%</p> <p>★★★★</p> <p>You can divide mixed numbers and fractions that need to be simplified.</p>	<p>★★★★</p> <p>You can multiply and divide a mixture of fractions, decimals, and whole numbers.</p>	

Certificate number: T01-2-000-0000169

国際基礎学力検定 **TOFAS**

CERTIFICATE OF COMPLETION

合格証書

Calculation Level 1 *** **

国際基礎学力検定TOFAS第4回検定において、頭書のレベルに合格したことを証明します。

We certify that you have passed the level stated above in the 第4回 International Test of Fundamental Academic Skills.

Examination date: Jan, 2022

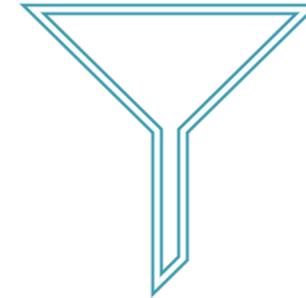
We recommend that when you provide the results to the students, identify categories they performed well in and praise them on a job well done. This promotes self esteem, confidence, and motivation. For example if students performed well in ‘Algebraic Equations’, you can say “Well done! You did great on Algebraic Equations. Keep it up!” If you don’t see anything positive, you can praise the student for completing all the questions. If a student has taken the TOFAS previously, praise the student for improving their results.

Individual

5. Grouping Students in a Class



	A	B	C	D	E
1	Examinee name	Organization name	Class	Grade	Level
150	Student 18	Sprix School	9D	9	6
158	Student 19	Sprix School	9D	9	6
166	Student 20	Sprix School	9D	9	6
190	Student 23	Sprix School	9D	9	6



	F	G	H	I
1	Category title	Percent correct	Correct answers	Total question
150	Calculating Square Roots	15%	3	20
158	Calculating Square Roots	5%	1	20
166	Calculating Square Roots	15%	3	20
190	Calculating Square Roots	15%	3	20

In this example, there are 4 students who scored under 20% within this topic. Providing these students with extra support and materials to learn this topic will be beneficial.

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We certify that you have passed the level stated above in the 第4回 International Test of Fundamental Academic Skills.

Examination date: Jan, 2022

We also highly recommend that you inform the parents of the TOFAS results. Providing the results to parents will build more interest in their child's academics and they can learn to be supportive. Parents may also praise their child. It is a great opportunity for the teachers to communicate with the parents.

Thank you!



Contact us at tofas.ph@sprix.jp for any inquiries.

Again thank you for watching this video. We hope that this video will give you some insights on how you can use the results. We are always looking to improve our products. Comments and opinions are appreciated.