MATHEMATICS INTERVENTION PROGRAM

- GBR in Mathematics & Science

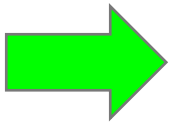
GBR in Maths

- Colour Coding of questions
- G : GREEN
- B : BLUE
- R : RED

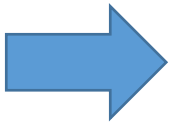
Objectives:

- To cater for 3 types of students. (HaMaLa)
- To provide opportunities for students to learn progressively.
- To raise students awareness on the layout of PSR Mathematics questions which they can attempt based on their abilities.

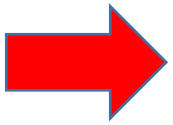
How we decide on the GBR Code?



✓Questions are basic which require knowing or recalling facts.
✓Less wordy / straightforward questions.



✓Questions require a little bit of reading, understanding and at least 2 steps to answer.
✓Sometimes wordy and involve more on thinking skills by the students.



✓Questions need in depth thinking.
✓Mostly wordy.
✓Requires to solve complex problems.

Layout of the questions for GBR mathematics

Questions are arranged according to the level of difficulties.

Progressive assessment

MATHS PAPER 2 (2014)													
NO.		TOPIC	WORD	PROCESS	SAMPLE	LEVEL	1st	2nd	3rd	4th	5th	(^_^)	(_ _;)
1	a	Decimal	equation	multiplication with 100	0.523 × 100								
1	b	Decimal	complete	value, ones, hundredths	6.824 = ___+0.8+___+0.004								
2		Mixed Operations	Evaluate	bracket, multiply, subtract, add	13-(4×3-2)+9								
3		Fraction	Evaluate	same denominator, add	3 4/9 + 1/3								
5		Addition	correct digit	add	28_4 + _67= 306_ (vertical)								
6		Numbers	sum	place value, add	2 tens and 34 tenths								
8		Multiplication	tens place	multiply, place value	4 × 38								
21		Symmetry	dotted lines	mirror image	complete the design								
24		Shapes	triangle	total triangle	How many tiles....?								
28		Perimeter	Find...	addition, sides	Find the perimete of the fig..								
29	a	Shape	name	identify shape	trapezium								
29	b	Grid	coordinates	x-axis, y-axis	point D?								
30	a	Table (WP)	pictogram	draw	represent 2....								
30	b	Percentage	grade A	grade A/ Population	what % pupils got grade A?								
4		Fraction	Evaluate	divide, multiply	7½ ÷ 5								
7		Fraction	figures	equal shaded figures	50% = 1/2								
9		Subtraction (WP)	1998 / 2014	subtract or add	How old will she be...?								
10		Fraction	shade	counting the figures, shade 2/5	two-fifths of the figure								
11		Division (WP)	each bag	divide, multiply	54 marbles in 6 bags, 2 bags?								
13		Algebra	Solve	carry over	25 = 7m - 3								
14		Division (WP)	equal mass	divide, conversion	1200 g ÷ 3								
15		Mixed Operations	output number	substitute out put number	5×2=10+2=12-?=7								
16		Pattern (table)	number pattern	multiply, add	1+2×3=7								
19		Area	area of whole fig	each length, multiply	perimeter 24, area of..?								
12		Division (WP)	many times, compared	fraction into decimal, subtract	3.75 kg ÷1 1/4 kg								
17		WP	equal	subtract, divide	(608 - 274)÷2								
18		Prime numbers	sum, difference	identify prime number	sum is 16 and difference 6?								
20		WP	3 times as old	bar model, sum of the ages	Ali's age?								
22		Time (WP)	starts, reach	conversion, add	what time it reach KK?								
23		WP	72 more	bar model, difference	How many...?								
25		Percentage	decreases 20%	multiply by 20%, subtract/ 80%	new price.....?								
26		Volume	volume	L×B×H , multiplication of 5, division	length of each side?								
27		Measurement (WP)	kilograms	conversion, add or multiply	3 pieces of cake?								

Ha Ma La

Ha Ma or La

Ha or Ma

Sample of GREEN Questions (PSR 2015)

ANSWER ALL QUESTIONS.

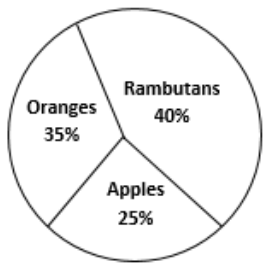
	FOR USE BY EXAMINER
1(G). Evaluate 189 715 + 32 575 Answer: _____	2 marks
2(G). Write ***six million, two hundred and fifty-four thousand and three*** in numerals. Answer: _____	2 marks
3(G). Express $12\frac{2}{3}$ as an improper fraction. Answer: _____	2 marks

Sample of BLUE Questions (PSR 1, 2015)

MATHEMATICS
PAPER 1 - 2015

ANSWER ALL QUESTIONS.

1(B). The pie chart below shows the percentage of three different types of fruits.



NOT TO SCALE

What **fraction** of the total number of fruits were **rambutans?**
Give your answer in simplest form.

Answer: _____

2 marks

2(B). Arrange the following in **ascending** order (from smallest to biggest).

1.45 km, 2 km, 1¾ km, 2450 m

Answer: _____, _____, _____, _____

2 marks

Sample of RED Questions (PSR 1, 2015)

9(R). The daigram below shows the prices of two items.

Teddy bear
$20

Doll
$25

There is a **10% discount** on both items. If Hajah Rosni buys **both** of the items above, how much does she need to pay ?

Answer : $ _____

3 marks

For inquiries:

- Please contact cluster team for further explanation at 3330412 or email to jss.kualabelait@gmail.com