







Year 9 Autumn 2 – Pi

Q	Topics	MAX Marks	My Score	Self Assess
1	Multiply whole numbers and decimal numbers	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
2	Multiply whole numbers and decimal numbers	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
3	Combine laws of arithmetic for brackets with mental calculations of squares	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
4	Multiply whole numbers and decimal numbers	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
5	Recall of equivalent fractions, decimals and percentage including for fractions that are greater than 1	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
6	Find the HCF or LCM of 2 numbers less than 100 using prime factor decomposition	4		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
7	Find outputs of more complex functions and inputs expressed in words, e.g. add 6 then multiply by 3	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
8 ab	Construct expressions from worded description, using all 4 basic operations, e.g. $30/x$, $x - y$, $m/2$, $3m + 4$, $a + a + 3$, a^2	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
8c	Solve simple two-step linear equations with integer coefficients, of the form $ax + b = c$, e.g. $3x + 7 = 25$	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
9	Generate terms of a linear sequence using position-to-term with negative integers	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
10	Construct a simple (no boundary data) frequency table with given equal class intervals for discrete data.	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
11	Use simple two way tables	4		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
12	Draw pie charts from data presented in a table	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
13	Convert a terminating decimal to a fraction and simplify the fraction	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
14	Add and subtract simple fractions with denominators of any size	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
15	Cancel common factors before multiplying fractions	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
16	Add mixed number fractions without common denominators, where the fraction parts add up to more than 1	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
17	Divide an integer by a fraction	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
18	Recall of equivalent fractions, decimals and percentage including for fractions that are greater than 1	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
19	Find the outcome of a given percentage increase	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
20	Understand that each of the headings in the place value system, to the right of the tens column, can be written as	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
21	Be able to estimate answers to calculations involving 2 or more operations and BIDMAS	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G

22	Discuss factors that may possibly affect the collection of data e.g. time, place, type of people asked, phrasing of	2		
23	Solve simple two-step linear equations with integer coefficients, of the form $ax + b = c$, e.g. $3x + 7 = 25$	2		
24	Begin to use linear expressions to describe the n th term in a two-step arithmetic sequence. (e.g. n th term is $3n + 1$ or $(n/2) - 5$)	1		
25	Simplify simple expressions in more than one variable, including positives and negatives, by collecting like terms	2		
26	Interpret and plot scatter graphs and recognise anomalies	3		
27	Find the outcome of a given percentage decrease	2		

Autumn 2 assessment = $\frac{\quad}{55} = \quad\% $
