



Instant Recall Mission

Log Book

Name _____

1. Astronaut Selection

1.1 Recites numbers in order to 10			
1.2 Recognises numerals 1 to 5			
1.3 Counts up to three or four objects by saying one number name for each of them			
1.4 Counts out up to six objects from a larger group			
1.5 Selects the correct number to represent 1 to 5			
1.6 Selects the correct number to represent 1 to 10			
1.7 Counts objects to 10			
1.8 Count beyond 10			

2. Launch Pad

2.1 Say the numbers 0-20 accurately			
2.2 Read the numbers 1 to 20 in numerals			
2.3 Say 1 more than any number between 0-20			
2.4 Say 1 less than any number between 0-20			
2.5 Say 1 more and 1 less than any two digit number			
2.6 To count in twos 2, 4, 6, 8, 10...			
2.7 To count in fives 5, 10, 15, 20, 25, 30, 35...			
2.8 To count in tens 10, 20, 30, 40, 50, 60, 70...			

3. Mercury

3.1 Know by heart all number bonds to 10, so 2 + 8, 1 + 9, 5 + 5 etc			
3.2 Know the days of the week, months of the year and seasons			
3.3 To know by heart all addition and subtraction facts for each number up to 5, so 5 + 0, 3 - 2, 1 + 4 etc			
3.4 Recall the doubles of all numbers to 10, so double 6 = 12, double 9 = 18 etc			
3.5 Know by heart all number bonds that total 20			
3.6 Know by heart all addition and subtraction facts for each number up to 10			

4. Venus

4.1 Know by heart all bonds of multiples of 10 to 100			
4.2 Know by heart doubles and halves of all numbers to 20			
4.3 Count in tens from any number, forward or backward			
4.4 Know by heart addition and subtraction facts for each number up to 20			
4.5 Know by heart all multiplication facts, and division facts, for 2, up to 2×12			
4.6 Know by heart all multiplication facts, and division facts, for 5, up to 5×12			
4.7 Know by heart all multiplication facts, and division facts, for 10, up to 10×12			

5. Earth

5.1 Know by heart all sums and differences of multiples of 10 up to 100			
5.2 Know by heart all number bonds that total 100			
5.3 Know by heart all doubles of multiples of 5 up to 100 so <i>double 35, double 75</i>			
5.4 Know by heart all doubles of multiples of 10 up to 100 so <i>double 60, double 30</i>			
5.5 Know by heart all halves of all multiples of 10 up to 100 so <i>halve 70, halve 40</i>			
5.6 Know by heart all multiplication facts, and division facts, for 3, up to 3×12			
5.7 Know by heart all multiplication facts, and division facts, for 6, up to 6×12			
5.8 Know by heart all multiplication facts, and division facts, for 4, up to 4×12			

6. Mars

6.1 Know the number of seconds in a minute, minutes in an hour and hours in a day			
6.2 Know the number of days in a week, month and year, including leap years			
6.3 Know the number of g in kg, ml in l, mm in cm, cm in m and m in km			
6.4 Count from zero in steps of 4			
6.5 Count from zero in steps of 8			
6.6 Count from zero in steps of 50			
6.7 Count from zero in steps of 100			

7. Jupiter

7.1	Recognise multiples of 2, 5, 10 up to 1000			
7.2	Double any 2 digit number so <i>double 38, double 43, double 97</i>			
7.3	Halve any 2 digit number so <i>halve 36, halve 67, halve 72</i>			
7.4	Know by heart all multiplication facts for 7, up to 7 x 12			
7.5	Know by heart all division facts, for 7, up to 7 x 12			
7.6	Know by heart all multiplication facts for 8, up to 8 x 12			
7.7	Know by heart all division facts for 8 up to 8 x 12			
7.8	Know by heart all multiplication facts for 9, up to 9 x 12			
7.9	Know by heart all division facts, for 9, up to 9 x 12			

8. Saturn

8.1 Count from any number in steps of 6			
8.2 Count from any number in steps of 7			
8.3 Count from any number in steps of 9			
8.4 Count from zero in steps of 25			
8.5 Count from zero in steps of 1000			
8.6 Know by heart all multiplication facts for 11, up to 11			
8.7 Know by heart all division facts for 11 up to 11 x 12			
8.8 Know by heart all multiplication facts for 12, up to 12			
8.9 Know by heart all division facts, for 12, up to 12 x 12			

9. Uranus

9.1 Use knowledge of time facts to write equivalent times to multiples of $\frac{1}{4}$ of a unit e.g. 2.5 hours = 2 hours 30 mins, 180 seconds = 3 minutes, $5\frac{1}{4}$ hours = 5 hours 15 mins			
9.2 Use knowledge of mass and weight facts to write equivalent measures e.g. 3.75kg = 3750g, 5678g =			
9.3 Use knowledge of volume and capacity facts to write equivalent measures e.g. 7.45l = 7450ml, 3278ml =			
9.4 Use knowledge of length facts to write equivalent measures e.g. 5.2km = 5200m, 22mm = 2.2cm			
9.5 Count up and down in tenths from any given number			
9.6 Know by heart 1 tenth more of any given number			
9.7 Know by heart 1 tenth less than any given number			

10. Neptune

10.1 Add and subtract 2 fractions with the same denominator within one whole			
10.2 Add and subtract 2 fractions with the same denominator			
10.3 Starting at any given number count forwards and backwards in steps of any number, including through zero			
10.4 Double any number with up to 1 decimal place			
10.5 Halve any number with up to 1 decimal place			
10.6 Recall quickly multiplication facts up to 12×12 and use them to multiply pairs of multiples of 10 and 100, for example			
10.7 Recall quickly division facts of all tables up to 12×12 and use them to divide pairs of multiples of 10 and 100, for example $240 \div 40 = 60$			

11. The Milky Way

11.1 Identify pairs of factors for all 2 digit whole numbers			
11.2 Know by heart all the squares of numbers up to 12 x 12			
11.3 Know by heart all the cubes numbers up to 12^3			
11.4 Recognise and recall factors of numbers up to 100 and corresponding multiples of 100			
11.5 Use knowledge of place value and x facts to 12 x 12 to derive related multiplication and division facts in- volving decimals... $0.6 \times 8 = 4.8$			
11.6 Know by heart tests of divisibility for multiples of 2, 3, 4, 5, 6, 9 and 10			