

# KING'S LODGE SCHOOL AND THE UNIVERSE OF MATHS 6



## PASSPORT TO THE MILKY WAY

NAME: \_\_\_\_\_

DATE OF BIRTH: \_\_\_\_\_

Star, Planet, Moon	Target	Parent	TA	Teacher
Sun	I can identify the value of each digit in numbers to 3 d.p.			
Mercury	I can read, write, order and compare numbers up to 10 000 000.			
Venus	I can round any whole number to a required degree of accuracy e.g. to the nearest 10, 20, tenth etc.			
Earth	I can add and subtract numbers mentally with increasingly large numbers ( e.g. $12\ 462 - 2300 = 10\ 162$ ).			
Mars	I can <b>rapidly</b> recall pairs of numbers that total 10, 20 and 100.			
Jupiter	I can <b>rapidly</b> recall pairs of decimal numbers that total 1 and 10.			
Saturn	I can multiply and divide numbers by 10, 100 and 1000 up to 3 d.p.			
Neptune	I can <b>rapidly</b> recall the <b>multiplication</b> and <b>division</b> facts for the multiplication tables to 12 x 12 (including multiplying and dividing by multiples of ten, e.g. $2 \times 60 = 120$ or $350 \div 70 = 5$ ).			
Ceres	I can <b>rapidly</b> recall the <b>multiplication</b> and <b>division</b> facts for the multiplication tables to 12 x 12 (including multiplying and dividing by tenths, e.g. $2 \times 0.2 = 0.4$ or $30 \div 0.5 = 60$ )			
Pluto	I can use place value, known and derived facts to multiply and divide mentally (e.g. $300 \div 50 = 6$ ).			

Star, Planet, Moon	Target	Parent	TA	Teacher
Eris	I can identify common factors, common multiples and prime numbers			
Moon	I can read Roman numerals to 1000000 ( $\overline{\text{M}}$ )			
Deimos	I can recall and use equivalences between simple fractions, decimals and percentages.			
Phobos	I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination.			
Ganymede	I can compare and order fractions, including fractions $> 1$ .			
Titan	I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.			
Titania	I can multiply simple pairs of proper fractions, writing the answer in its simplest form [e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ ].			
Triton	I can divide proper fractions by whole numbers [e.g. $\frac{1}{3} \div 2 = \frac{1}{6}$ ].			
Charon	I can use, read, write and convert between standard units, converting length, mass, volume and time, using decimal notation to up to three d.p. (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)			
The rest of the Milky Way...	<i>I can still do all of these targets.</i>			

Constellation	Target	Parent	TA	Teacher
Aquarius				
Aries				
Cancer				
Capricorn				
Gemini				
Leo				
Libra				
Pisces				
Sagittarius				
Scorpio				
Taurus				
Virgo				