THURGOLAND CHURCH OF ENGLAND PRIMARY SCHOOL — LEARNING TOGETHER IN FAITH & JOY

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
I know the < > = symbols so I can use to compare numbers in ascending and descending order. I know part, part, whole so I can identify in addition/subtraction calculations. I know number bonds to 10. I know number bonds to 100. I know number bonds to 1000. I know times table facts up to 12x12 so I can write multiples of a number. I know common factors are numbers shared by 2 or more numbers. I know common multiples are numbers shared by 2 or more numbers. I know a prime number has a factor of itself and 1 so I can identify prime numbers up to 100. I know squared numbers are a product of a number multiplied by itself so I can	I know how to divide a fraction by a common factor so I can simplify fractions. I know a fraction is a part of a whole. I know the numerator is the number of parts. I know the denominator is the number of equal parts that make the whole. I know an improper fraction is where the numerator is larger than the denominator. I know a mixed number is made of an integer and a proper fraction I know how to convert an improper fraction to a mixed number using multiplication. I know how to convert a mixed number to an improper fraction using division. I know equivalent fractions are equal.	I know the number bonds to 1 using tenths and hundredths. I know tenths are written as 0._ I know hundredths are written as 0.__ I know thousandths are written as 0.___ I know the relationship when exchanging between columns e.g. 3 tenths is the same as 30 hundredths. I know to move digits to the left when multiplying. I know to use 0 to represent place value so I can complete long multiplication. I know there are 24 hours in a day. I know there are 60 minutes in 1 hour. I know there are 60 seconds in 1 minute. I know there are 365 days in 1 year.	I know that percent means out of 100. I know a fraction can be written as a decimal. I know capacity is the amount an object can contain. I know volume is the amount within the object. I know perimeter is the length all the way around a 2D shape. I know perimeter is calculated by adding all the lengths of the sides together. I know area is the amount of space taken up by a 2D shape. I know area is calculated by length multiplied by width. I know that a 'kilo' means a thousand. I know there are 1000 grams in a kilogram. I know milli means one thousand	I know a full turn is 360 degrees. I know half turn is 180 degrees. I know a quarter turn is a right angle and 90 degrees. I know the horizontal axis is the X axis. I know the vertical axis is the Y axis. I know height x width x length will calculate the volume.	Consolidation of all discrete mathematical knowledge taught in Year 6.

identify square numbers up to 100. I know a cubed number is a product of a number multiplied by itself twice, so I can identify cube numbers. I know the rule of BIDMAS (Brackets, indices, division, multiplication, addition, subtraction) I know roman numerals. I know parallel lines are lines that run alongside each other in pairs. I know perpendicular lines cross at 90 degrees. I know 2D shapes so I can describe their properties. I know the 3D shapes: triangular based pyramid, square based pyramid, pentagonal based pyramid, triangular prism, hexagonal prism, cone, sphere, hemisphere and octahedron so I can describe their properties. I know a polygon is is a flat two-dimensional shape with straight sides that is fully closed.	I know reflection is a mirror image of an object drawn over a line/axis. I know translation is the movement of an object. I know acute angles are smaller than 90 degrees. I know obtuse angles are between 90 and 180 degrees. I know a reflex angle is any angle larger than 180 degrees. I know an angle is a measure of turn measured in degrees. I know now that there are two right angles on a straight line. I know there are four right angles around a point. I know the interior angles in a triangle is 180 degrees. I know the interior angles in a quadrilateral is 360 degrees.	I know there are 52 weeks in 1 year. I know there are 7 days in 1 week. I know an analogue clock is 12 hour. I know a digital clock is 24 hour.	I know there are 1000mm in 1m. 1 know there are 1000ml in 1l. I know centi means 100. I know there are 100cm in 1m.		

I know a regular polygon is has all sides and angles the same length. I know an irregular polygon has sides and angles of different length/measure. I know the 3 types of triangle isosceles, scale and equilateral.	I know that vertically opposite angles share a vertex and are equal I know the mean is the total sum of all numbers divided by the number of values in the set. I know the radius is the distance half way across the circle. I know the circumference is the distance around the edge of the circle. I know the diameter is the distance right across the middle of the circle. I know the diameter is twice the size of the radius.				