St Robert Southwell Catholic Primary School

Aiming For Excellence - Being The Best We Can Be

Number

Number and Place Value

I can count in multiples of 6, 7, 9, 25 and 1000.	
I can find 1000 more or less than a given number.	
I can count backwards through zero to include negative numbers.	
I can recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).	
I can order and compare numbers beyond 1000.	
I can identify, represent and estimate numbers using differentrepresentations.	
I can round any number to the nearest 10, 100 or 1000.	
I can solve number and practical problems that involve all of the above and with increasingly large positive numbers.	
I can read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.	

Addition and Subtraction

I can add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.	
I can estimate and use inverse operations to check answers to a calculation.	
I can solve addition and subtraction two-step problems in context, deciding which operations and methods to use and why.	

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Multiplication and Division

I can recall multiplication and division facts for multiplication tables up to 12 × 12.	
I can use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.	
I can recognise and use factor pairs and commutativity in mental calculations.	
I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout.	
I can solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.	

Fractions

I can recognise and show, using diagrams, families of common equivalent fractions.	
I can round up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.	
I can solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.	
I can add and subtract fractions with the same denominator.	
I can recognise and write decimal equivalents of any number of tenths or hundredths.	
I can recognise and write decimal equivalents to 1/4, 1/2, 3/4.	
I can find the effect of dividing a one or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.	
I can round decimals with one decimal place to the nearest whole number.	
I can compare numbers with the same number of decimal places up to two decimal places.	
I can solve simple measure and money problems involving fractions and decimals to two decimal places.	

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Measurement

I can convert between different units of measure [for example, kilometre to metre; hour to minute].	
I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.	
I can find the area of rectilinear shapes by counting squares.	
I can estimate, compare and calculate different measures, including money in pounds and pence.	
I can read, write and convert time between anologue and digital 12- and 24-hour clocks.	
I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	

Geometry
Properties of Shapes

I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	
I can identify acute and obtuse angles and compare and order angles up to two right angles by size.	
I can identify lines of symmetry in 2D shapes presented in different orientations.	
I can complete a simple symmetric figure with respect to a specific line of symmetry.	

Position and Direction

I can describe positions on a 2D grid as coordinates in the first quadrant.	
I can describe movements between positions as translations of a given unit to the left/ right and up/down.	
I can plot specified points and draw sides to complete a given polygon.	

Statistics

I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.	
I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	