YEAR 4

END OF YEAR EXPECTATIONS

Number – Place value

I can order and compare numbers beyond 1000.

I can identify thousands, hundreds, tens and ones in a 4 digit number. e.g. 4213 = 4000, 200, 10 and 3.

I can find 1000 more or less than a given number.

I can count in multiples of 6, 7, 9, 25 and 1000.

I can count backwards through zero to include negative numbers.

I can solve number and practical problems with increasingly large positive numbers e.g. There are 2512 people in a stadium. 1000 leave. How many are left?

Number – fractions, decimals and percentages

I can add and subtract fractions with the same denominator e.g. 1/6 + 3/6 = 4/6

I can round decimals with one decimal place to the nearest whole number e.g. 7.6 = 8, 13.2 = 13

I can recognise and write decimal equivalents of any number of tenths or hundredths and can recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.

I can recognise and show, using diagrams, families of common equivalent fractions e.g.
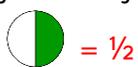
= ½   = 3/4

Number – Addition/ subtraction/ multiplication and division

I can add and subtract whole numbers with more than 4 digits, using column addition
e.g. 5427
+2321

I can estimate and use inverse operations to check answers to a calculation e.g.
35 + …. = 56   56 – 35 =

I can solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why e.g. 53 people are on a bus. 19 get off at the first stop and 8 get on. How many are on the bus?

I can recall multiplication and division facts for multiplication tables up to 12 × 12 e.g. 7 x 8 = 56, 56 ÷ 8 = 7

I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout e.g. 6 x 24 =

X	20	4
6	120	24

Measurement

I can convert between different units of measure e.g. kilometre to metre; hour to minutes

I can estimate, compare and calculate different measures, including money in pounds and pence.

I can measure and calculate the perimeter and area of a rectangle and square in centimetres and metres.

I can read, write and convert time between analogue and digital 12- and 24-hour clocks.

Geometry – shapes/ position and direction

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 2-D shapes presented in different orientations.

I can describe positions on a 2-D grid as coordinates in the first quadrant.

I can plot specified points and draw sides to complete a given polygon.

Statistics

I can read and present discrete and continuous data using appropriate graphical methods e.g. bar charts and time graphs.

I can solve comparison, sum and difference problems using information from a bar chart, pictogram, tables and other graphs.
e.g. How many more people chose apples then bananas?
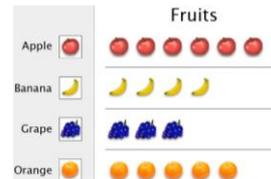
NUMBER ACTIVITIES

- <u>Looking around</u> – Choose a room at home. Challenge your child to spot 20 right angles in it.
- <u>Sum it up</u> – Each player needs a dice. Say: Go! Then each rolls a dice at the same time. Add up all the numbers showing on your own dice, on the sides as well as at the top. Whoever has the highest total scores 1 point. The first to get 10 points wins.
- <u>Measuring</u> – Use a tape measure that shows centimetres. Take turns measuring lengths of different objects, e.g. the length of the sofa, the length of the bath, the height of the door. Record the measurements in cm or/ and m e.g. if the length of the bath is 165cm long, you could say it is 1m 65cm (1.65m).
- <u>3 Digit numbers</u> – Use three dice (if you only have one dice, roll it 3 times). Make 3 digit numbers, e.g. if you roll 2, 4 and 6, you could make 246, 264, 426, 462, 624 and 642. Ask your child to round the 3 digit number to the nearest multiple of 10 and 100. After your child could order the numbers.

SUGGESTED WEBSITES

http://www.maths-games.org/adding-games.html

http://www.ictgames.com/

http://www.bbc.co.uk/bitesize/ks2/maths/

http://www.topmarks.co.uk/maths-games/7-9-years/counting

http://www.crickweb.co.uk/ks2numeracy.html

http://www.primaryinteractive.co.uk/maths.htm

http://www.wmnet.org.uk/resources/gordon/Hit%20the%20button%20v9.swf

http://resources.woodlands-junior.kent.sch.uk/maths/

https://uk.ixl.com/