**Useful Apps**

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiL64zK1NvKAhVGuBQKHUHxBrsQjRwIBw&url=http://www.newyorkfamily.com/?attachment_id%3D79917&psig=AFQjCNFiWdMc0z1hdnQLFw2JEQ_utCIcPg&ust=1454591126905772) [](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwi9yNfu1NvKAhUHnRoKHY9DCV4QjRwIBw&url=http://www.sumdog.com/&psig=AFQjCNGJNLldLGxdCU2UqBPbFXnxsZeLcw&ust=1454591224356884) [](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiKpoLG1dvKAhWCaRQKHfgiBL4QjRwIBw&url=http://www.teacherswithapps.com/operation-math/&psig=AFQjCNGcYdWlJETsL7fl-Py6HOMkzqrzwA&ust=1454591302792047)

Maths Bingo Sumdog Operation Math

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiatZni1dvKAhWCOhQKHfAcB5EQjRwIBw&url=http://ipadapps4school.com/2013/10/01/ixl-math-practice-elementary-school-math-practice-ipad-app/&psig=AFQjCNHpBa08_gARUxwgkHQFRyr92kntAw&ust=1454591505653319) [](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiH0v_z1dvKAhVCWRoKHYnsBToQjRwIBw&url=http://www.itouchapps.net/6-numbers-game-answers-solutions-levels-1-100/&psig=AFQjCNG7C7FWcHF6y1kJSOKRqaKwRT7L5A&ust=1454591541713239) [](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiXlKej19vKAhXDMBoKHWnLDcsQjRwIBw&url=http://hwb.wales.gov.uk/&psig=AFQjCNGHlHLxkzMYq-1LOPRMdXQ5-zw_ew&ust=1454591906484200)

IXL Six numbers HWB

[](https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwj8j8fW19vKAhWGzxQKHYagD1UQjRwIBw&url=https://itunes.apple.com/gb/app/times-tables-quiz!-multiplication/id441001315?mt%3D8&psig=AFQjCNHU1ONz62vCBJjcx6JuZ2h61YVTPQ&ust=1454591998754698) [](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwirs6K62NvKAhUK0hoKHTIHD7wQjRwIBw&url=http://uk.pearson.com/primary.html&psig=AFQjCNGR29MoCkF5aoGXejdDjMi6oA29Jw&ust=1454592192796949)

Times table Abacus

Quiz

Useful websites:

[www.activelearnprimay.co.uk](http://www.activelearnprimay.co.uk)

[www.bbc.co.uk/bitesize](http://www.bbc.co.uk/bitesize)

[www.resources.woodlands-junior.kent.sch.uk/maths](http://www.resources.woodlands-junior.kent.sch.uk/maths)

[www.uk.ixl.com/Maths](http://www.uk.ixl.com/Maths)

[www.mathszone.co.uk](http://www.mathszone.co.uk)

**National Tests**

Your child’s numeracy and reading skills will be tested. These tests will take place between **3rd and 10th May 2017.** Children in Year 2 to Year 6 will take 3 tests:

* Reading (focused solely on reading skills)
* Numerical Reasoning (using and applying numeracy skills)
* Procedural Numeracy (number skills)

**Reporting to parents**

The results of these tests will be reported to parents at the end of the Summer Term.

**For further information:**

**LNF link** http://learning.gov.wales/resources/?lang=en#/resources/?lang=en

**Test link**

<http://learning.wales.gov.uk/news/sitenews/readingnumeracy/?lang=en>

**Year 6**



The Numeracy

Framework

**What is Numeracy?**

Numeracy is the use of Mathematical skills in other areas of the curriculum.

**The Literacy and Numeracy Framework**

The Literacy and Numeracy Framework (LNF) has been introduced by the Welsh Assembly Government to improve the literacy and numeracy skills of children in Wales.

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjFmOrL7dbKAhXH1RoKHWvhAagQjRwIBw&url=http://www.dreamstime.com/illustration/numeracy.html&psig=AFQjCNG5L5M1mF9HcmoGQJgCivkmT1c8sw&ust=1454426035681701)

**Numerical Reasoning:**

The Numerical reasoning skills below are what a typical Year 6 pupil is expected to achieve

**Identify processes and connections**

* I can use and apply my maths skills in different everyday situations
* I can identify the appropriate steps and information I need to finish a task or find the answer.
* I can select the appropriate math and methods to use.
* I can select and use suitable instruments and units of measurement.
* I can choose a suitable mental or written strategy and know when it is appropriate to use a calculator.
* I can estimate and visualise size when measuring and use the correct units.

**Represent and communicate**

* I can explain results and procedures clearly using mathematical language.
* I can improve the way I write down my calculations
* I am beginning to use more suitable ways of recording calculations.
* I can use appropriate notation, symbols and units of measurement.
* I can select and construct appropriate charts, diagrams and graphs with suitable scales.

**Review**

* I can select from an increasing range of checking strategies to decide if answers are reasonable.
* I can interpret answers and decide whether answers, including calculator analogue and digital displays, are sensible.
* I can draw conclusions from data.
* I can recognise that some conclusions may be misleading or uncertain.

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjvpqON8tbKAhXM7hoKHejYAtgQjRwIBw&url=http://www.fotosearch.com/CSP990/k10488784/&psig=AFQjCNG5L5M1mF9HcmoGQJgCivkmT1c8sw&ust=1454426035681701)

**Number Skills:**

The number skills below are what a typical Year 6 pupil is expected to achieve.

**Use number facts and relationships**

* I can read and write numbers to 1 million and numbers to 3 decimal places.
* I can use mental strategies to recall multiplication tables to 10 x 10 and use to solve division problems.
* I can multiply numbers and decimals by a multiple of 10, *e.g. 15x30, 1.4cmx20.*
* I can use my understanding of simple fraction, decimal and percentage equivalences *e.g. find 25% of 60cm and know that this is equivalent to ¼ of 60cm.*
* Calculate percentage quantities based on 10%,  *e.g. 20%, 5%, 15%*
* *I can use simple ratio and proportion.*

**Fractions, decimals, percentages and ratio**

* I can use my understanding of simple fraction and decimal equivalences when measuring and calculating, *e.g. ½ = 0.5*
* I can calculate fractional quantities,*e.g. 1/6 of 24=3*
* I can use doubling and halving strategies when working with simple proportions.

**Calculate using mental and written methods**

* I can add and subtract numbers using whole numbers and decimals.
* I can multiply 2 and 3 digit numbers by a 2 digit number.
* I can divide a 3 digit number by a 2 digit number.

**Estimate and check**

* I can check my answers using inverse operations.
* I can estimate by rounding to the nearest 10, 100 or 1000 or whole number.

**Manage Money**

* I can use the terms profit and loss in buying and selling activities and make calculations for this.
* I can understand the advantages and disadvantages of using bank accounts.
* I can make comparisons between prices and understand which is best value for money.

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwijlc3s99bKAhUC1xoKHbllCs8QjRwIBw&url=http://www.clipartsheep.com/measure-illustrations-images-graphics-and--clipart/dT1hSFIwY0RvdkwzZDNkeTVqYkdsd1lYSjBaM1ZwWkdVdVkyOXRMMTkwYUhWdFluTXZNRGd3T0Mwd09EQXhMVEV4TVRVdE5UWTFPQzVxY0djfHc9MTAwfGg9MTAwfHQ9anBlZ3w/&psig=AFQjCNF-mRRN243heiJkqNTYjHW6zqRZMA&ust=1454428755687248)

**Measuring Skills:**

The measuring skills below are what a typical Year 6 child is expected to achieve.

**Length, weight/mass, capacity**

* I can read and interpret scales or divisions on a range of measuring instruments.
* I can record measurements in different ways, *e.g. 1.3kg=1kg300g.*
* I can use the language of imperial units in daily use, *e.g. miles, pints*

**Time**

* I can use timetables and schedules to plan events and activities.
* I can interpret timetables and schedules to plan events and activities.
* I can make calculations as part of the planning process.
* I can estimate how long a journey takes.

**Temperature**

* I can read and record temperatures involving positive and negative readings.
* I can calculate temperature differences including those involving temperature rise and fall across 0˚C

**Area and volume angle and position**

* I can calculate the area of squares and rectangles.
* I can use grid references to specify location.

[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjzwp7N39jKAhWHyRQKHbejB7oQjRwIBw&url=http://www.fotosearch.com/CSP137/k19630263/&psig=AFQjCNEwaLqNC4wHGksprtfu91qzB1IMHw&ust=1454491029969351)

**Data Skills:**

The data skills below are what a typical Year 6 child is expected to achieve

**Collect and record data, present and analyse data**

* I can represent data using:
* Lists, tally charts, tables, diagrams and frequency tables
* Bar charts, grouped data charts, line graphs and conversion graphs
* I can extract and interpret information from an increasing range of diagrams, timetables and graphs (including pie charts)
* I can use mean, median, mode and range to describe a data set.