



St Ninian's High School MATHS NEWSLETTER



Volume 2 Issue 1

February 2011



This month, the Maths Newsletter is decorated with Japanese Traditional Art.

CERN – The world's largest particle collider.

CERN is the world's largest particle collider. It is in Switzerland and it was started on the 10th of September 2008. Here are some facts about CERN.

- It consists of a 27-kilometre ring of superconducting magnets.

- Inside the accelerator, two high-energy particle beams travel at close to the speed of light before they are made to collide.

- This requires chilling the magnets to -271.3°C – a temperature colder than outer space.

Thousands of magnets of different varieties and sizes are used to direct the beams around the accelerator. These include 1232 dipole magnets 18 metres in length which bend the beams, and 392 quadrupole magnets, each 5–7 metres long, which focus the beams.

Quote for thought

We Must live together as brothers or perish together as fools.

Martin Luther King

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After school classes

- Monday: Higher 5
- Advanced Higher 5/6/7/8/9
- Tuesday: Intermediate 1
- Thursday: S1 to S2
- Higher

The Mathemagician by Declan Melville (2a7)

The Number 3 Trick

- Take a number.**
- Double it.**
- Add 9.**
- Subtract 3.**
- Divide by 2.**
- Subtract your original number.**
- Your answer should be 3.**



THINK MATHS

Email Subscriptions

Thank you to all those who have subscribed to receive the Maths Newsletter by Email!



Biblical Measures

IF you read an old bible, you will definitely see some funny old measures such as cubits etc. Here is rough guide to what they equal nowadays.



Finger	0.75 inches	1.93 centimeters
Handbreadth (4 fing.)	2.92 inches	7.4 centimeters
Span	9 inches	22.86 centimeters
Cubit	18 inches	45.72 centimeters
Long Cubit	20.4 inches	51.9 centimeters
Fathom	6 feet	1.829 meters
Hand (6 cubits)	3.75 feet	2.73 meters
Furlong	180 m, 660 feet	201.2 meters
Stadion	607 feet	185.4 meters
Sabbath day's journey	3/5 mile	0.6056 kilometers
Day's journey	20 miles	32.19 kilometers



Celebrating achievement

THE PRELIMS ARE NOW OVER AND ALL PUPILS INVOLVED HAVE DONE REALLY WELL! ONLY A FEW WEEKS NOW UNTIL THE ACTUAL EXAM!!! STUDY.



Live Statistics by José Dias (Za7)

World Population	
7,214,555,278	Current World Population
15,248,478	Births this year
283,758	Births today
7,942,153	Deaths this year
84,873	Deaths today
11,386,325	Net population growth this year

This is facts that are relevant to the world. It is on a site called **Worldometers**. It shows you real time statistics.

It is quite accurate but by the time you read this it will have changed a bit.

This is from 20/2/2014

Mr Mardones' Puzzle

I can be long, or I can be short. I can
be grown, and I can be bought. I can
be painted, or left bare. I can be round,
or square. What am I?



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Numbers-Words by Mark Rae (2a1)

*It is an old pastime of ours, making words with our
calculator, and turning them upside down to see
them. Here is a list of words you can make:*

7735 for sell

77165 for spill

77345663 EGG SHELL

40404 FOR HOHOHO

5376606 or 5379909 for GOG-
GLE5

376006 or 379009 for GOOGLE

5491375808 for bobsleighs

*Unfortunately, The modern calculators do not make
these words so well. You need an old style one*

