



Volume 3 Issue 2

November 2013



- 1. 30.9% have a party
- 2.72% hand out sweets
- 3. 44.2% carve a pumpkin
- 4. 31.7% take children out

5. 47.5% decorate their homes

The heaviest pumpkin ever weighed 2032 pounds or 923.64 kilograms. That's huge!

2. According to Irish legend, Jack O'Lanterns are named after a stingy man named Jack who, because he tricked the devil several times, was forbidden entrance into both heaven and hell. He was condemned to wander the Earth, waving



Creepy Calculations

St Ninian's High School

BOO! It's Halloween again and we have some creepy Halloween statistics for you.

Some of the most dressed-up-in costumes this year have been:

- 1. White Stealth Ninja
- 2. Cross eyed monster
- 3. A minion from 'Despicable Me'
- 4. A soldier
- 5. A headless horseman

In the United States :

his lantern to lead people away from their paths.

"I hear and I forget, I see and I remember, I do and I understand" (Confucius) "

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After school classes • Monday: Higher & Advanced **Higher Maths** Tuesday: Intermediate 2 Thursday: S1 to S3

MATHS NEWSLETTER

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Music and Numbers

Music and numbers are all connected. There are many aspects of music that have to do with how long a note is or how fast to play and others. The one I shall tell you about today is about how the way notes look, it signifies how long they last for.

To make all of this make sense, I shall explain a tiny bit of music theory to you.

Here, this is a WHOLE NOTE. This is a very important note. It lasts the amount of beats that are indicated by the top number of the TIME SIGNA-TURE.

Now that is out the way, and you hopefully understand a WHOLE NOTE. You will hopefully be able to understand all these weird and wonderful notes.

This note is called A MAXIMA.

It is a very long note indeed. It is also very rarely used nowadays.

It lasts 12 TIMES as long as a WHOLE NOTE!!

So if you were in 4/4 time signature it would last:

1...2...3...4 1...2...3...4 1...2...3...4 1...2...3...4 1...2...3...4

1...2...3...4 1...2...3...4 1...2...3...4 1...2...3...4

1...2...3...4 1...2...3...4 1...2...3...4

CRAZY?! Isn't it?

Now to the other extreme. This note is called a DEMISEMIHEMIDEMISEMIQUAVER (That was a mouthful..!) or a TWO-HUNDRED-AND-FIFTY-SIXTH NOTE for shorter, pronunciation and memories sake.

must tell you that these aforementioned notes are very rare indeed but they do exist and I thought it would be good if you know a bit about them.

An extreme case is the 'Toccata Grande Cromatica' by early-19th-century American composer Anthony Philip Heinrich, which uses notes as short as 2,048th notes; however, the texts states that it has been printed wrong and they should be 1,024th notes.







Celebrating achievement

S2 did their maths test recently and they all did really well You all deserve a pat on the back :)

Best get studying for the standardised tests!



Fast and Furious Math!

How long is the runway in Fast & Furious 6?

Based on the 13 minutes duration, high octane action packed sequence, and based in mathematical calculations of average plane speed, car speed and simultaneous action sequence, the runway has an estimated length of... 18.37 miles or 29.6km!

The longest paved runway in the world is the Qamdo Bamda air-





Distance = Speed x Time

Time= Distance Speed

Speed= Distance Time

port in China, at around 3.5 miles (5.6km). You can use the formula Distance= speed x time to find the distance travelled!

So This scene is super unrealistic to Mathematicians

by Mr. Mardones

