



NUMERACY BULLETIN

ISSUE 7

OCTOBER 2022

MATHS EVENTS THIS MONTH!

Teachers maths problem solving competition. Winners are
Jane and Jenny from the kitchen
Mark A and the site team

New ks3 maths homework club in room 48
Tuesdays 12.40 to 1pm.

Maths problem solving in form — winner is
Lionel O-A in form 7E.

TEACHER ON THE SPOT!

Mr Johnson wants to divide two fractions and isn't sure how. Can you help him?

$$\frac{2}{3} \div \frac{1}{6} =$$

CAREERS USING NUMERACY

Pilot

To save people, a search and rescue pilot must master bearings and their COORDINATE GEOMETRY

Fashion Designer

Designers use principles of SYMMETRY and GEOMETRICAL PATTERNS to create gorgeous dresses

Cricketer

4 overs to go, 40 runs needed. What is the average number of runs needed per over? Even world class cricketers need to know their STATISTICS!

Where will Maths take you?

Composer

The 12 note scale used in western music today originated with Pythagoras, who created a musical system based on the RATIO 3/2

Hedge Fund Manager

To make millions on the stock market, Hedge fund managers must master PROBABILITY... Or be very lucky

Spy

To send secret messages, a spy uses PRIME NUMBERS to encrypt their message

REAL LIFE SKILLS!

Measuring in the Kitchen

Directions:
Draw a line estimating where each measurement will be.

1/3 cup



3/4 cup



2/3 cup



NUMERACY CHAMPION!

Mathswatch Champions this month are ...
Year 7 Krishni P
Year 8 Subhaan A
Year 9 Austin S
Year 10 Natalia N
Year 11 Hassan I

STAFF: WHAT CAN I DO?

1. Talk aloud of strategies to solve problems.
2. Challenge students on the weekly tables.
3. Include maths in your lessons whenever possible.

PARENTS: WHAT CAN I DO?

1. Challenge your child on weekly tables.
2. Encourage your child to complete homework.
3. Encourage/direct your child to the school Numeracy page.

CROSS CURRICULAR!

Choose any exercises that you want from the list

All you have to do is 100 in total - but you can only do an ODD number of each exercise eg 23 sit ups

Total them up until you get to 100 exactly



jumping jacks



mountain climbers

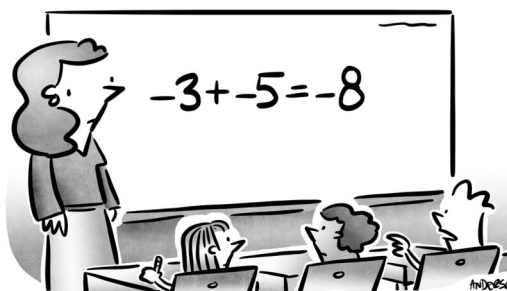
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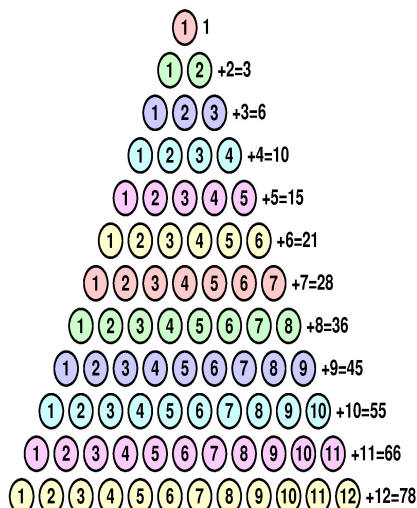
12

CARTOON CORNER!

WWW.ANDERTOONS.COM



"So by adding them together we ended up with less than we started with? See, this is why people hate math."



CURRENT AFFAIRS!

Man City defender Akanji is called a "maths genius" as he completes complex calculations in seconds

Manuel Akanji, the defender who joined Manchester City in the summer, has proved he's not just a very talented footballer but he's also a maths genius.

Akanji has shown off his incredible mental arithmetic ability by solving complex calculations related to Manchester City within seconds.

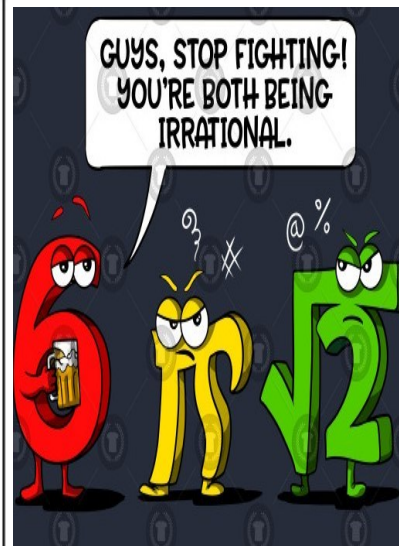
Here are some of the questions he was asked.

How quickly can you solve them???

- (a) 89×5
- (b) 23×42
- (c) $(93 \times 60) + 20$



The full video can be watched on Twitter by clicking on the link below:
<https://youtu.be/KLa5gGP4OmI>



Butterfly numbers 'worryingly low' despite good weather

Butterfly numbers are still "worryingly low" despite a warm and sunny spell leading to increased sightings of certain butterfly species over the summer.



100 000 butterfly counts were carried out between the 15th of July and the 7th of August, with results showing an average of just nine butterflies per count, which conservationists say is an all time low in the 13 years since the project began.

- (a) How many days were the butterfly counts carried out over?
- (b) How many butterflies were counted altogether? Give your answer in WORDS.

Phone chargers to be standardised across Europe from 2024 - forcing Apple to change to USB-C

The European Parliament has voted to introduce an EU standard charging port for mobile phones.



By 2024 all phones, tablets and cameras will have to use USB-C connectors, the current standard charger on Android products.

The move will have big implications for Apple, which uses its own Lightning connector on its products.

Samsung, Apple and Huawei have not yet commented on the reform, which passed through the European parliament by a huge majority of 602 for to just 13 against.

What percentage of the European parliament voted in favour of a standard charger?

Round your answer to 1 decimal place!

NUMERACY COMPETITION!

Hand your entries to your maths teacher before the end of March for chance of winning a prize! Don't forget your name and form

Date _____ My score _____

Write down two prime numbers that have a sum of 32.	$g = 9$ $h = 4$ Work out the value of $2g + 3h$	$2^5 = 10$ True or False?
$\frac{3}{4} = \frac{x}{12}$ Find x	$1 - \underline{\hspace{1cm}} = 0.07$ Find the missing number	$180 - 75$
$360 - (75 + 120)$	$8a = 4$ Find a	3.5 hours = _____ minutes