



NUMERACY BULLETIN

ISSUE 15

SEPTEMBER 2023

MATHS EVENTS THIS MONTH!

FAMILY MATHS EVENINGS

Every Monday from
5.00pm until 8pm
Student Reception

All Welcome!!

TEACHER ON THE SPOT!

Mr Tahir would like to have 60% of a pie.

What is 60% as a decimal and as a fraction in its lowest form?



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

Where will Maths take you?

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**!

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

NUMERACY CHAMPION!

Mathswatch Champions this month are ...

- Year 7 Muhammed A
- Year 8 Amelia G
- Year 9 Ramona L
- Year 10 Bismilah M
- Year 11 Sneha P

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.

Adding Fractions - common core -

1

$$\frac{2}{3} + \frac{4}{5} = \frac{\quad}{15}$$

2

$$\frac{2}{3} + \frac{4}{5} = \frac{10+12}{\quad}$$

Crisscross Applesauce!

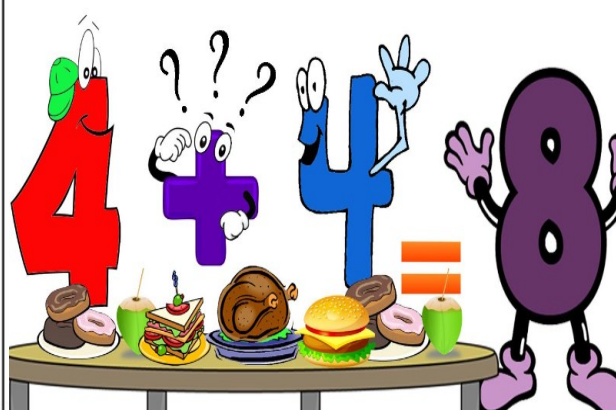
3

$$\frac{2}{3} + \frac{4}{5} = \frac{22}{15}$$

CROSS CURRICULAR!



Why didn't the two 4's feel like dinner?
Because they already 8.



GTA V, the second highest selling video game of all time, turns 10

Ten years ago last week, Grand Theft Auto V debuted on shop shelves.

The fastest entertainment product in history to make \$1bn and the most profitable ever made, GTA V has since sold an astonishing 185 million copies and earned its publisher a reported \$8bn in revenue.

But how good is your knowledge on best selling video games?

Shown below is a list of the top 5 best selling video games of all time.

We have given you a clue for a missing letter or letters in each game.

The answer to the calculations corresponds to the number of the letter in the alphabet, e.g. a = 1, b = 2, etc. How many video games can you name???



Top 10 Best Selling Video Games of all time

- | | |
|-------------------------------|--------------------------|
| 1. 5 - (-8) _ _ _ _ _ | 238 million copies sold |
| 2. Grand / Theft / Auto / V | 185 million copies sold |
| 3. 4 x 5 _ _ _ _ _ | 100 million copies sold |
| 4. 2 + 3 x 7 _ _ / _ _ _ _ _ | 82.9 million copies sold |
| 5. _ _ _ _ / 12 ÷ 6 _ _ _ _ _ | 75 million copies sold |

Practise maths before bed and you'll learn it in your sleep

Learning facts in the evening helps us remember them, research suggests

Un-bear-lievable teddy collection enters the Guinness Book of World Records!

A man, in his late 20's has the largest collection of Care Bears in the world. His 1234 cuddly companions are reported to be worth over £100 000.



Cuddling a teddy bear can be good for your Health and Wellbeing - and that is a fact!

Speaking of factors! A factor is a number that divides into another number with no remainder.

The number 1234 has exactly four factors.

Can you list the four factors of 1234?

iPhone 15 goes on sale at surprisingly "affordable" price

The iPhone 15 went on general sale last Friday with the following key features;



- USB-C charging instead of Lightning
- Dynamic Island on all models
- New AV1 decoder on the iPhone 15 Pro models
- 48MP camera comes to standard iPhone 15
- Bigger camera bump on the 15 Pro Max
- Starting price: £799 / \$799 / AU\$1499

It costs £799 for an 'entry Level' iPhone 15 in the UK and AU\$1499 for the exact same model in Australia.

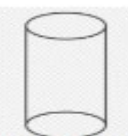
Current Exchange Rate:

£1 = \$1.91 Australian Dollars

Is it better value to buy an entry level iPhone 15 in the UK or Australia? You MUST give a reason for your answer!

NUMERACY COMPETITION!

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

 <p>What is the name of this shape?</p>	<p>Work out</p> $1.3 \times 10 + 1.3 \times 100$	<p>Write 0.1 as a percentage.</p>
$351 \div 13$	<p>$1.02 = 1 + \underline{\hspace{2cm}}$</p> <p>Find the missing number.</p>	<p>Here is a list of numbers 4, 8, 12, 16, 20, 24, 28, 32</p> <p>From the list write down:</p> <p>The factors of 16</p> <p>The square numbers</p> <p>The cube numbers</p> <p>The multiples of 8</p>
<p>Change 4.5 kg into g</p>	<p>$\sqrt{8} = 4$</p> <p>True or False?</p>	<p>Round 0.0564 to 1 significant figure.</p>