



# NUMERACY BULLETIN

## ISSUE 8

## NOVEMBER 2022

### MATHS EVENTS THIS MONTH!

#### FAMILY MATHS EVENINGS

TBA

**We will be running events in conjunction with Bolton college—watch this space”**

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

Maths problem solving in form — winner is  
Kadie H in form 9S.

### TEACHER ON THE SPOT!

Miss Williamson has three cards.  
Each card has a number on it.  
The numbers are hidden.

?	?	?
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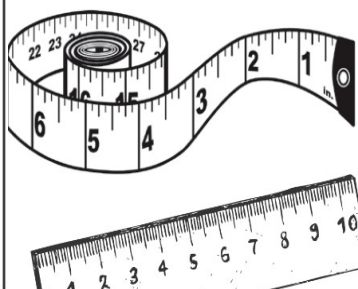
The mode of the three numbers is 4  
The mean of the three numbers is 5

(b) Work out the three numbers on the cards.

### CAREERS USING NUMERACY



### REAL LIFE SKILLS!



### NUMERACY CHAMPION!

**Mathswatch Champions this month are ...**  
Year 7 Aisha B  
Year 8 Alfie P  
Year 9 Janat A  
Year 10 Omar A  
Year 11 Josh K

### 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.

## A multiple

Is a number in a times table –

- 3, 6, 9 etc are multiples of 3
- 4, 8, 12 etc are multiples of 4
- any number ending in a zero or a five is a multiple of 5

### CROSS CURRICULAR!

**NUMERACY IN HISTORY**

**TIMELINES AND SEQUENCING**

IN HISTORY, TIMELINES ALLOW YOU TO PLACE EVENTS IN THEIR CORRECT HISTORICAL ORDER. TODAY, WHEN YOU CAN SEE HOW MANY DIFFERENT EVENTS OCCURRED IN HISTORY, TO WORK OUT HOW MANY YEARS AGO SOMETHING OCCURRED YOU SIMPLY TAKE THE YEAR IT HAPPENED AWAY FROM THE CURRENT YEAR. FOR EXAMPLE, THE WORLD'S FIRST CO-WAS PRODUCED IN 1928. IF THE CURRENT YEAR IS 2021, THIS WOULD BE 2021 - 1928 = 93 YEARS AGO.

**THE DATA HANDLING CYCLE**

THE DATA HANDLING CYCLE GIVES YOU A GUIDE ON HOW TO COLLECT, ORGANISE, REPRESENT, ANALYSE AND COMMUNICATE DATA. IT IS A FIVE-STEP PROCESS:

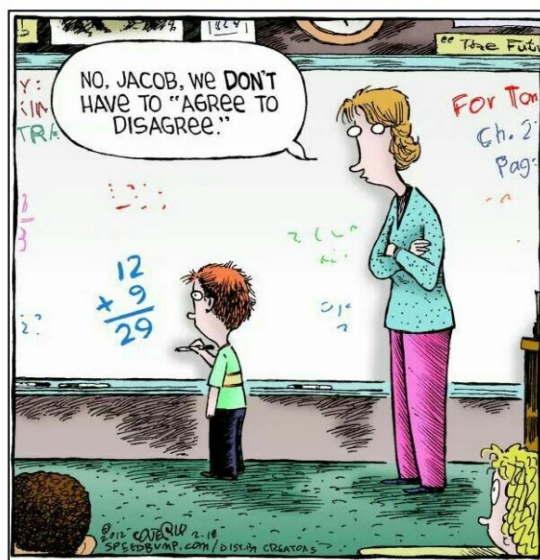
1. COLLECT
2. ORGANISE
3. REPRESENT
4. ANALYSE
5. COMMUNICATE

**USING CHARTS AND GRAPHS**

CHARTS AND GRAPHS CAN PROVIDE EXTREMELY USEFUL INFORMATION. IT IS IMPORTANT THAT YOU ARE ABLE TO INTERPRET THEM CORRECTLY. TWO COMMON BAR CHARTS SHOW THE BRITISH CIVILIAN CASUALTIES IN THE SECOND WORLD WAR.

**BRITISH CIVILIAN CASUALTIES BY ENERGY ACTION 1940-45**

YOU NEED TO USE THE KEY AND THE SCALE ON THE LEFT HAND SIDE TO INTERPRET HOW MANY OF EACH TYPE OF CASUALTY OCCURRED EACH MONTH.



## MrBeast has turned down a \$1 billion offer for his channel

It has emerged that MrBeast turned down an eye watering amount of money that would've put him amongst the wealthiest bunch in the world. For those not familiar, the 23 year old, whose real name is Jimmy Donaldson, is one of the most followed people on YouTube - with a staggering 105 million subscribers.



He was offered \$1 billion for his channel.

(a) Write this amount using only numbers.

Had he accepted this offer, he definitely shouldn't have changed it into pounds given that the pound has fallen to a record low against the dollar as markets react to the UK's biggest tax cuts in 50 years.

Current Exchange Rate:  
£1 = 1.11 dollars

(b) How much is \$1 billion in pounds and pence?

## Scientists discover a habitable planet where you could get a LOT more birthdays!

Scientists have discovered a potentially habitable planet 100 light years away from Earth where you would celebrate a lot more birthdays than you do just now if you lived there.



Earth takes 365.25 days to orbit our Sun and we celebrate a birthday each time this happens from the day we were born. The current average life expectancy on Earth is 73.5 years.

The newly discovered planet takes just 2.7 days to orbit its star - imagine celebrating a birthday every time this happens?

How many birthdays would the average person celebrate if they lived on this planet?

## Cool Math Trick!

STEP 1: Think of a number

STEP 2: Multiply it by 3

STEP 3: Add 6

STEP 4: Divide by 3.

STEP 5: Subtract the number chosen in Step 1 from your answer in Step 4.

And the ANSWER IS . . . . .



## How much will it cost to complete the FIFA World Cup Qatar 2022 sticker album?

The Panini World Cup 2022 sticker album has been released - but in order to fill it, football fans will likely have to spend a lot more than they think.

The popular pastime is reignited for every World Cup, and fans have been collecting stickers for more than 50 years. The first World Cup edition in the UK was launched for the 1970 tournament in Mexico.

In the early days, a pack of four stickers would cost about 5p each, but now, with packs containing an extra sticker, they will set collectors back 90p.

There are 670 stickers to collect altogether.

(a) How many stickers are now a pack?

(b) Assuming you were (VERY!) lucky and bought all the stickers at the first attempt, how much would it cost you to complete the album?

According to a football finance expert it is more likely to cost fans £883.80 to complete the album, based on probability.

(c) How many packs of stickers should fans expect to have to buy to complete the album?



## Roger Federer to retire from tennis after Laver Cup aged 41

Roger Federer will retire from tennis after next week's Laver Cup, aged 41.

The 20 time Grand Slam champion has been struggling with a knee problem for the last three years and has decided now is the time to step away.

During his career, he has won a French Open title, 6 Australian Opens and 5 US Open titles.

The rest of his Grand Slam titles came by winning Wimbledon.

How many times has Roger Federer won Wimbledon?



## 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

$630 \div 42$	$17 \times 0.3$	$1 - (0.2 + 0.13)$
<p>Find the area.</p>	<p>Find the perimeter.</p>	Find 30% of 400.
$y = 2$ what is $y^2 + 2y$	$\sqrt[3]{27}$	$4^3$