



## BEYOND THE TEXTBOOK

July 2018

### Happy holidays!

At the moment the weather has been very kind to us and hopefully it will continue through your summer break. Do have an enjoyable and restful time.

### Setting holiday work

This is a controversial action. The pupils should be given the opportunity to rest and experience other skills outside the classroom. Giving them worksheets and text book material would not create happy “bunnies” on their return in September.

Set them puzzles!!

- [Krazydad](#) – sudoku, mazes, battleships, slitherlinks (kids version)
- [Transum](#) – a compendium of puzzles where it is possible to use apparatus to solve them.
- [Puzzledom](#) – an app of classic puzzles
- [Roll the ball](#) – an app with a shuffle-cum-maze puzzle
- [Math till 20](#) – interactive puzzles and games for younger pupils

### This month's puzzle

#### Not the World Cup?!!

No, this is about an unfortunate team of injuries. Four had broken their left arm, five had broken their right arm, two had the right arm sound, and three had sound left arms. What is the smallest number of players who had injuries? No, the answer is not 14.

### And something for you

- [Flatland](#) – an intriguing book
- [Mathematical Thinking](#) – many varied pencil and paper puzzles

Videos:

- Dave Gorman explains [Venn Diagrams](#)
- Matt Parker and [bar codes](#)
- Mr Bean and [the exam](#)

## DCBEAGLE Challenges

Some of the challenges in the Christmas term are nearly full. Do register before going on your summer break.

Friday 14 Sep	Year 6 Maths	Wrekin College Shropshire
Thursday 20 Sep	Year 5 Maths	Christ Hospital, Horsham
Friday 21 Sep	Year 4 Maths	Davenies Beaconsfield
Tuesday 25 Sep	Year 6 Maths	Windlesham House Sussex
Thursday 27 Sep	Year 5 Maths	St Andrew's Eastbourne
Friday 28 Sep	Year 4 Maths	Crosfields, Reading
Tuesday 02 Oct	Year 6 Maths	Red Maids' High, Bristol
Thursday 04 Oct	Year 4 Maths	King Edward's, Bath
Tuesday 09 Oct	Year 6 Maths	Dean Close, Cheltenham
Monday 05 Nov	Year 4 Maths	St Edward's Reading
Tuesday 06 Nov	Year 4 Maths	Summer Fields, Oxford
Thursday 08 Nov	Year 6 Maths	Headington, Oxford
Friday 09 Nov	Year 4 Maths	St Edward's Cheltenham
Thursday 15 Nov	Year 6 Maths	Aldwickbury School
Tuesday 20 Nov	Year 5 Maths	Rupert House
Thursday 22 Nov	Year 6 Maths	Monkton Combe Bath
Friday 23 Nov	Year 5 Maths	St Edward's Cheltenham

Click [here](#) to see my full portfolio. Do remember these are free for participating schools and because of this they are very popular.

### End of year frivolity

What do you get if you divide the circumference of a "Jack O Lantern" by its diameter?  
Pumpkin pi

After a talking sheepdog gets all the sheep in the pen, he reports back to the farmer: "All 40 accounted for."

"But I only have 36 sheep," says the farmer.

"I know," says the sheepdog. "But I rounded them up."

Hear about the statistician who drowned crossing a river?  
It was a metre deep on average.

What do you call a number that can't keep still?  
A roamin' numeral.

### Puzzle solution

7

### Final words

The next newsletter will be waiting for you when you return in September. Happy holidays!!