



PUZZLERS

Teachers can photocopy this page to use in class



FOUNDATION MYSTERY NUMBER

I typed a number on a calculator last night at home. I know I pushed number 2 but I can't remember what the number was. What could my number have been? Write down as many possibilities as you can

Hint: There are lots of possibilities!
Can you say the numbers you have written?



YEARS 1 AND 2 BRAIN TEASER

Lee was writing all the counting numbers from 1 to 20. She stopped for a rest after writing seventeen digits. What was the last number she wrote?

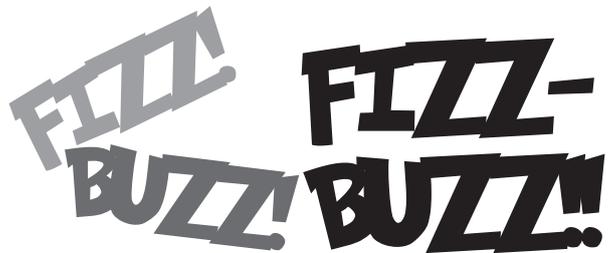
<http://nrich.maths.org/161>



YEARS 3 AND 4 MOTHER AND DAUGHTER

Sally is 54 years old and her mother is 80, how many years ago was Sally's mother three times her age?

www.kidsmathgamesonline.com/funstuff/brain teasers.html



YEARS 5 AND 6 FIZZ BUZZ COUNTING

All multiples of 5 are replaced by 'fizz' and all multiples of 7 are 'buzz'. A multiple of both 5 and 7 (i.e. 35) are replaced by 'fizz-buzz'. Make students think fast and see if your class can get all the way to 40 without making a mistake.

To make it more difficult, any number featuring a 5 or a 7 (i.e. 17) also require 'fizz' or 'buzz' as a replacement. Try counting all the way to 100, changing the multiples to something different like 3 and 4 or reversing the order every time 'fizz' or 'buzz' is said. Here's a rundown of how the game should go following the basic rules up to 40:

1, 2, 3, 4, fizz, 6, buzz, 8, 9, fizz, 11, 12, 13, buzz, fizz, 16, 17, 18, 19, fizz, buzz, 22, 23, 24, fizz, 26, 27, buzz, 29, fizz, 31, 32, 33, 34, fizz-buzz, 36, 37, 38, 39, fizz.

www.kidsmathgamesonline.com/funstuff/countinggame.html