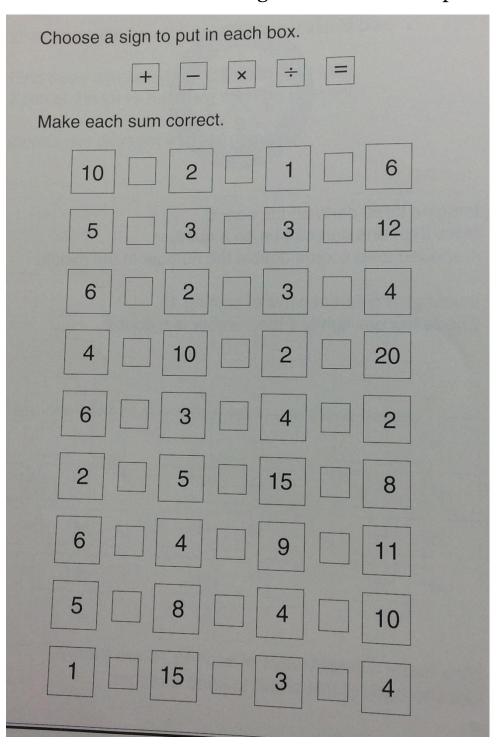
Tuesday 23rd June y5

Today we are going to use mental maths and logical thinking to solve

mathematical puzzles:

First of all read these mathematical sentences from left to right and work out the correct signs and the correct positions.



Now think carefully about including each of the 8 straws below.

Imagine you h	_ 66 _ 76 _ 86	of making re	ectangles.	
You must use  Width (cm)  1 + 6	all eight stra  Length (cm)  3 + 8	Width (cm)	Length (cm) $2+4+5$	Perimeter (cm)

Scroll down for answers...

5 Signs

Multiplication and division to  $5 \times 5$ . For example,  $10 \div 2 + 1 = 6$   $5 \times 3 - 3 = 12$   $6 \times 2 = 3 \times 4$   $4 \times 10 \div 2 = 20$   $6 = 3 \times 4 \div 2$  2 + 5 = 15 - 8 6 - 4 + 9 = 11  $5 \times 8 \div 4 = 10$   $1 = 15 \div 3 - 4$ 

Perimeters

Sum of a series of single digits to total 18.

The sum of the digits is 36 (the perimeter) so length + width = 18. Many solutions are possible: for example, it is possible to make  $3 \times 15$ ,  $4 \times 14$ ,  $5 \times 13$ ,  $6 \times 12$ ,  $7 \times 11$ ,  $8 \times 10$ ,  $9 \times 9$  rectangles. Some can be made in more than one way: for example, the four sides of the  $5 \times 13$  rectangle can be either 1+4, 6+7, 5, 2+3+8 or 2+3, 6+7, 1+4, 5+8.