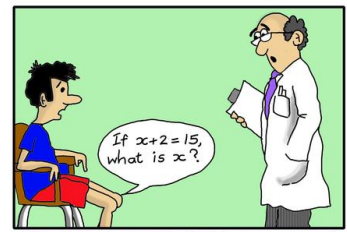


Mrs W's Maths 10 **ANSWERS**

Mixed Problem Solving - let's get those brains hurting!

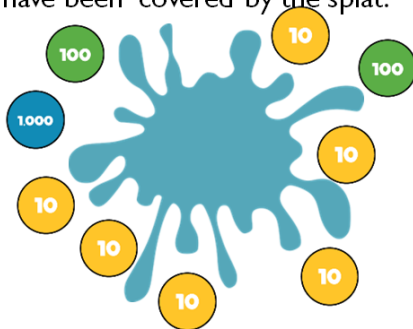


"It's my knee, Doctor. It's still giving me problems."

1 What is the missing 4-digit number?

	Th	H	T	1
	2	5	5	4
+	6	3	9	5
	8	9	4	9

2 There are counters to the value of 3,470 on the table but some have been covered by the splat.



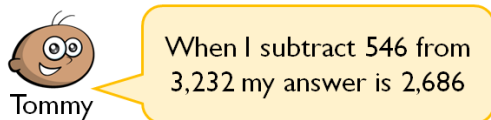
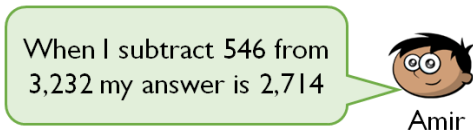
What is the total of the counters covered?
How many different ways can you make the missing total?

Counters: $1000+200+60= 1260$
 $3470 - 1260 = \underline{2210}$ total covered

I found 27 possible ways!
(It took me ages and I had to be very organised!)

3 1,235 people go on a school trip. There are 1,179 children and 27 teachers. The rest are parents. How many parents are there? $1235 - (1179 + 27) = 29$ parents

4 Amir and Tommy solve a problem.



Who is correct?
Explain your reasoning.

$3232 - 546 = 2686$

Tommy is correct
Amir has taken the smaller digits away from the larger ones instead of exchanging

3232 so he has done $6-2$ and -546 not exchanged to make $12-6...$

5 There were 2,114 visitors to the museum on Saturday. 650 more people visited the museum on Saturday than on Sunday.



Altogether how many people visited the museum over the two days?

$2114 - 650 = 1464$ visitors on Sunday

$2114 + 1464 = \underline{3578}$ over 2 days

There are other ways to work this out e.g. $2114 \times 2 - 650 = 3578$