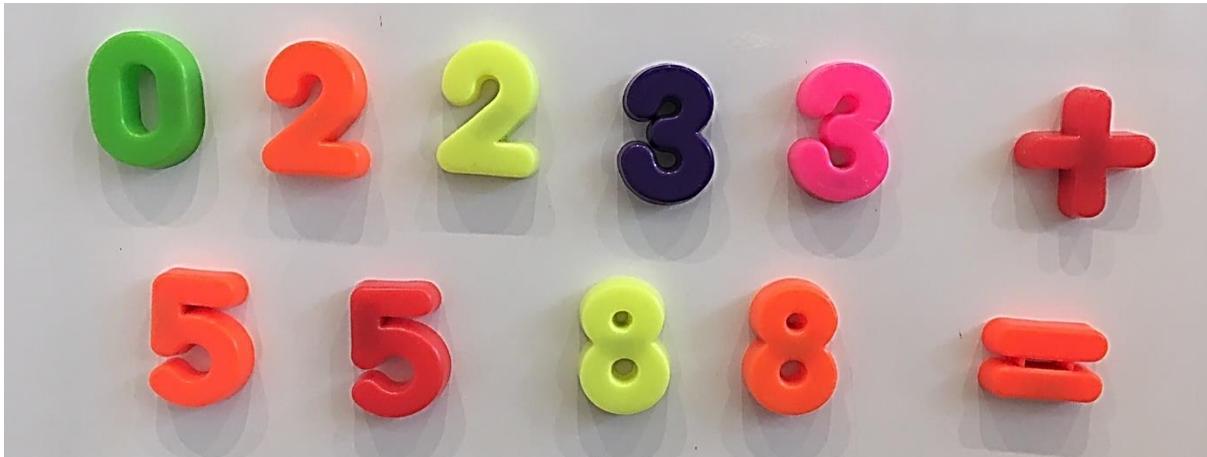


Fridge Magnet Arithmetic Challenge 4

Challenge: (Without using a calculator) form as many correct number sentences as you can from the following set of fridge magnets:



Example:



Rules: You can only use each symbol once.

You can use the + symbol as a + or a x.

We will consider $3 + 25 = 28$, $25 + 3 = 28$, $28 = 3 + 25$ and $28 = 25 + 3$ to be the *same* number sentence.

We won't allow the technically correct but uninteresting sentences like $2 = 2$.

Rating:

1 to 7:	Good start
8 to 10:	Doing well
11 to 13:	Highly commended
14 or more:	Excellent!

Fridge Magnet Arithmetic Challenge 4

So far I have found 16.

(Nice going if you have found any that aren't on the list below)

1. $0 + 2 = 2$
2. $0 + 3 = 3$
3. $0 + 5 = 5$
4. $0 + 8 = 8$
5. $2 + 3 = 5$
6. $3 + 5 = 8$
7. $2 + 6 = 8$
8. $3 + 25 = 28$
9. $5 + 23 = 28$
10. $5 + 25 = 30$
11. $5 + 28 = 33$
12. $8 + 25 = 33$
13. $2 \times 25 = 50$
14. $8 \times 35 = 280$
15. $23 \times 35 = 805$
16. $25 \times 33 = 825$

