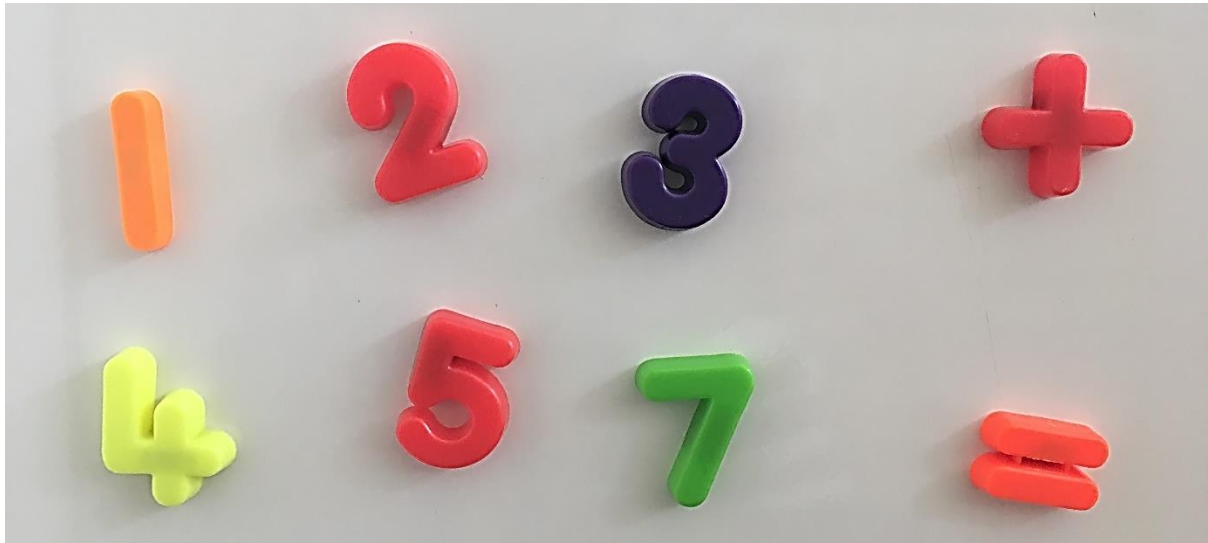# Fridge Magnet Arithmetic Challenge 1

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

For example:

Rules: You can only use each symbol once.

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

We will consider $5 + 7 = 12$, $7 + 5 = 12$, $12 = 5 + 7$ and $12 = 7 + 5$ to be the *same* number sentence.

Rating:

1 to 4:	Good start
5 to 8:	Doing well
9 to 12:	Highly commended
13 or more:	Excellent!

Fridge Magnet Arithmetic Challenge 1

So far I have found 18.

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

1. $1 + 2 = 3$
2. $1 + 3 = 4$
3. $1 + 4 = 5$
4. $2 + 3 = 5$
5. $2 + 5 = 7$
6. $3 + 4 = 7$
7. $5 + 7 = 12$
8. $5 + 37 = 42$
9. $7 + 35 = 42$
10. $4 + 27 = 31$
11. $7 + 24 = 31$
12. $12 + 35 = 47$
13. $32 + 15 = 47$
14. $23 + 51 = 74$
15. $21 + 53 = 74$

16. $3 \times 4 = 12$
17. $3 \times 7 = 21$
18. $4 \times 13 = 52$