



Workshop Title:

Helping my child with automatic responses to Maths

Learning Intentions:

- Strategies to assist automatic responses to Times Tables

Summary of Learning:

TIMES TABLES: An easy way to practice with playing cards

1. Strip answers available in order on a double sided sheet at the end of this sheet e.g. for eight times tables 8, 16, 24, 32, 40, 48, 56 etc.
If a student needs them, allow 2 minutes to 'study' the appropriate strip for that table set. Cover the answer strip before proceeding.
2. At home, the parents need to provide a deck of cards with picture cards removed. This means the deck has 40 cards, A-10 (4 suits).

If you want to include 11s and 12s, put an 11 sticker on the 4 Jacks and 12 sticker on 4 Queens

LEVEL 1

3. Go through the whole deck in forward order A-10 (or 12), A-10 (or 12), A-10 (or 12), A-10 (or 12) for a particular table set (eg the 4 times tables)
4. As cards are put down, the student 'recites' the table they are creating and give the answer
Eg A x 4 = students says **1 x 4 = 4** as the Ace is put in place
2 x 4 = students says **2 x 4 = 8** as the two is put in place
3 x 4 = students says **3 x 4 = 12** as the three is put in place
4 x 4 = students says **4 x 4 = 16** etc
5. Repeat the whole deck in reverse order. 12 – A, 12 - A, 12- A, 12 – A



LEVEL 2

6. Repeat the procedure from Level 1, except apply one of four time limits to get through the deck of 40 (or 48)

Level 2a 4 minutes VERY GOOD Level 2b 3 minutes AWESOME

Level 2c 2 minutes SUPERSTAR Level 2d 90 secs GENIUS

LEVEL 3

7. Shuffle deck. Go through deck **in random order**, with no time level

LEVEL 4

8. Repeat Level 4 but try it against the clock. 2 minutes is an outstanding time

LEVEL 5

9. Set new benchmarks for time until the **whole random, shuffled deck** can be done in the world record time of 90 seconds.
10. Now move to a different table set (eg the 9 times tables) or try the reversal template of the same table
eg $9 \times \quad = ?$

LEVEL 6

11. The ultimate challenge - **2 sets of cards either side of X sign** (i.e. 40/48 mixed, random tables) in 120 seconds!!!!!!!