**![C:\Users\veronicaoconnell\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7T48UETW\MC900130271[1].wmf]()Rapid Recall Skills**

**+**

**add subtract**

**total minus**

**increase take away**

**sum of difference**

**altogether decrease**

**Set D**

**Double of half any number up to 50.**

* Use the number cards to create any number up to and including 50. Your child needs to double that number. To begin with they may need to partition the higher numbers, double each bit and then add them together*. (eg. Double 36 is the same as double 30 plus double 4).*
* Call out any **even** number up to and including 100. Your child needs to halve these numbers. To begin with they may need to partition the higher numbers; half each bit and then add them together. (eg. Half 68 is the same as half 60 plus half 8).

**Recall addition and subtraction facts for each number up to 20.**

* Call out addition sums to the child where the answer is no more than 20. *(e.g. eleven plus five).* Use different words for ‘add’. *(See list on front page)*
* Repeat for subtraction sums using different words for subtract. *(See list)*
* Eg. 19-8 14 take away 3 17 subtract 11

Your child needs to recall these facts, not use fingers to work them out.

**Add/subtract mentally two 2-digit numbers.**

* Roll 2 dice to create a 2 digit number. Roll again to create another 2 digit number. Write down the numbers then add them together. Maybe you could challenge each other. See who is faster.
* Repeat the process but this time subtract the numbers.

Remember, we are looking to develop rapid recall skills so remind children about using the number bonds they already know.

**Rapidly recall multiplication and division facts in 2x, 5x and 10x tables.**

* Chant the tables
* Ask a mixture of multiplication questions from these tables.

 *eg. 3 times 5, 6 times 2, product of 8 and 5, 7 multiplied by 10*

* Ask a mixture of division questions from these tables. Eg. How many threes in 18? What is 45 divided by 5? 5 packets of sweets fit into a box. How many boxes will I need for 35 packets?

**Recall multiplication and division facts in 3x table.**

* Chant the 3 times tables. Say the whole fact (2 times 3 equals 6) rather than just count in threes.
* Shuffle the number cards 0-9, pick one without looking. Your child needs to tell you 3 times that number within 3 seconds. (e*.g. If the card says 5 the child must reply 5 times three equals 15).*
* Roll a dice. Child then tells you three times that number.
* Roll 2 dice. Add number of dots together then multiply that number by 3. *(eg. Roll a 6 and a 3. Add them together to get 9. Then multiply 9 by 3 to get 27.)*
* *Each multiplication fact has division facts linked to it.*

 *Eg. 7x3=21 so 21 divided by 3 = 7 and 21 divided by 7 = 3*

*When your child knows their multiplication facts really well start to link in division facts.*

*Eg How many threes are there in 24?*

*I have 15p and I share it between 3 people. How much will they each get?*

*27 divided by 3?*

**Recall multiplication and division facts in 4x table.**

* Repeat the process for 3 times tables for the 4 times tables.
* Remember 4x tables are double the 2 times.

**Recall multiplication and division facts in 8x table.**

* Repeat the process for 3 times tables for the 8 times tables.
* Remember 8 x tables are double the 4 times.

**Recall multiplication and division facts in 6x table.**

* Repeat the process for 3 times tables for the 6 times tables.
* Remember 6 x tables are double the 3 times.

**State 10/100 more/less than any given number.**

* Use the number cards. Use 2 cards to create a 2 digit number. Look at the value of the tens digit. Add ten to this number. *E.g Choose a two and a three to make 23. There are two tens in this number. If I add one more ten I will have three tens so my new number will be 33.* Repeat for subtracting 10.
* Choose three cards to make a three digit number. Look at the value of the hundreds digit. Add and subtract a hundred. *Eg. Choose a five, eight and a four to make 584. There are five hundreds in this number so if I add another hundred my new number will be 684.*
* Also add and subtract ten from a 3 digit number. *Eg 581+10=591*

**Know addition pairs that total 100**

* Turn over 2 number cards to create a 2 digit number. Child then says the corresponding number to make a total of 100 eg. 36 and 64
* **HINT: The tens digits have to total 9 and the units digits have to total 10.**

**Know multiples of 50 that total 1000**

* Use the ‘5’ and ‘0’ cards to make 50. Then turn over another card to make the hundreds number. *Eg turn over a three and we get 350.* Child needs to give corresponding number to make a total of 1000. ie. 350 and 650 = 1000. Link it to pairs of numbers totalling 100 *eg 35 + 65 = 100.*

**Know length, capacity, mass, time conversions.**

* Use the bookmark. Learn the facts.

**Useful websites:**

* <http://www.crickweb.co.uk/ks2numeracy>
* <http://www.topmarks.co.uk/Interactive>
* <http://uk.ixl.com/math/year-4>
* <http://resources.woodlands-junior.kent.sch.uk/maths>
* Search for **‘ks2 maths websites’** or be more specific eg **’8 times tables games**’ or **addition and subtraction interactive games**.