How to double numbers:

- 1) Partition the number
- 2) Double each number
- 3) Add them together
- $2 \times 1 = 2$  $2 \times 2 = 4$  $2 \times 3 = 6$  $2 \times 4 = 8$  $2 \times 5 = 10$  $2 \times 6 = 12$ 2 x 7 = 14  $2 \times 8 = 16$  $2 \times 9 = 18$  $2 \times 10 = 20$

Example: Double 24 1) 20 + 4 2) 40 + 8 <u>3) 48</u> If you are not sure if a number is in the 3x table. Add the digits. If the answer is in the 3 times table, you know its in the three times table.

3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
3 x 4 = 12
3 x 5 = 15
3 x 6 = 18
3 x 7 = 21
3 x 8 = 24
3 x 9 = 27
3 × 10 = 30

Example: Number 72 <u>Is 72 in the 3x table?</u> 7+2 = 9 9 is in the 3x table, so is 72. <u>Is 99 in the 3x table?</u> 9+9= 18 18 is in the 3x table, so is 99!

## 4 × 1 = 4 $4 \times 2 = 8$ 4 x 3 = 12 $4 \times 4 = 16$ Double, then Double, then $4 \times 5 = 20$ Double again! Double again! $4 \times 6 = 24$ $4 \times 7 = 28$ 4 x 8 = 32 $4 \times 9 = 36$ $4 \times 10 = 40$



Look for the pattern 0, 5, 0, 5, 0, 5, 0, 5, 0, 5, 0, 5...

 $5 \times 1 = 5$ 5 x 2 = 10 5 x 3 = 15  $5 \times 4 = 20$  $5 \times 5 = 25$  $5 \times 6 = 30$ 5 x 7 = 35 5 x 8 = 40  $5 \times 9 = 45$ 5 x 10 = 50

## x10 then half.

Look: Every second answer has the same digit at the end  $6 \times \underline{2} = 1\underline{2},$  $6 \times \underline{4} = 2\underline{4}...$ 

 $6 \times 1 = 6$ 6 x 2 = 12 6 x 3 = 18 6 x <u>4</u> = 2<u>4</u> 6 x 5 = 30 6 x <u>6</u> = 36 6 x 7 = 42 6 x 8 = 48  $6 \times 9 = 54$ 6 x 10 = 60

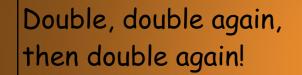
Difference between other answers is always 5!  $6 \times 1 = 6 (6-1=5)$  $6 \times 3 = 18 (8-3=5)$  $6 \times 5 = 30 (5-0=5)$ 

## Remember:

56 = 7 x 8 (The numbers are in order)

7 x 1 = 7 7 x 2 = 14 7 x 3 = 21 7 x 4 = 28 7 x 5 = 35  $7 \times 6 = 42$ 7 x 7 = 49 7 x 8 = 56 7 x 9 = 63 7 x 10 = 70

If you know the other tables, you will know most of this! 4 x 7 = 28 7 x 4 = 28



8 x 1 = 8 8 x 2 = 16 8 x 3 = 24 8 x 4 = 32 8 x 5 = 40 8 x 6 = 48 8 x 7 = 56 8 x 8 = 64 8 x 9 = 72 8 × 10 = 80

## TRIPLE DOUBLE!

Or

 Hold all your fingers up.

- 2) If you are looking for 4 × 9, put your 4th finger down.
- Fingers to the left show the tens, fingers to the right show the units.

9 x 1 = 9 9 x 2 = 18 9 x 3 = 27  $9 \times 4 = 36$  $9 \times 5 = 45$ 9 x 6 = 54 9 x 7 = 63 9 x 8 = 72 9 x 9 = 81 9 × 10 = 90



4x9=36 3 12 12 13 15 6 7 18 9 10

Also, look at the last digits in the answers, they go 9, 8, 7, 6, 5..