

HOW TO COMPUTE THE DIVISION BETWEEN A 1-DIGIT NUMBER (ALGORITHM BASED ON NUMBERS – ABN):

			: 5
87			

The first column corresponds to the dividend and the second one to the quantities I take from the dividend to share out. The number in the first line is the divisor and the quotient will be put in the third column.

PROCEDURE:

1º

			: 5
87			

First of all I take 50 from the dividend which is the first quantity to share out. It could be also taken other different quantity (a quantity which is well controlled by the child).

2º

			: 5
87	50	10	

I consider 50 since it is in the table of 5 ($5 \times 10 = 50$). I write 10 since it is $50:5$.

3º

			: 5
87	50	10	
37			

I subtract 50 from 87 and I write the result in the first column which is the quantity still to divide.

4º

			: 5
87	50	10	
37	35		

Since $5 \times 7 = 35$, I take 35 from 37 (although I can take a smaller quantity).

5º

			: 5
87	50	10	
37	35	7	

I write 7 in the last column which is $35:5$

6º

			: 5
87	50	10	
37	35	7	
R=2		Q=17	

I subtract 35 from 37 and as the result is 2 and it is smaller than the divisor then 2 is the remainder. The result of the addition of the last column is the quotient.