



Mensageiro - M.E.S. - P.H. 12/14

Nível Mental (Global)

X	T	f	d	fd	fd ²	fac	
0 - 4							
5 - 9						$P_{15,87} = 45 + \frac{1,9 \times 5}{3}$	
10 - 14							
15 - 19						$P_{15,87} = 45 + \frac{9,5}{3}$	
20 - 24							
25 - 29	I	1	-6	-6	36	1	$P_{15,87} = 45 + 3,16$
30 - 34	I	1	-5	-5	25	2	
35 - 39	III	3	-4	-12	48	5	$P_{15,87} = 48,16$
40 - 44	IIII	5	-3	-15	45	10	$P_{15,87}$
45 - 49	III	3	-2	-6	12	13	
50 - 54	IIII III	9	-1	-9	9	22	$M_i = 60 + \frac{6,5 \times 5}{18}$
55 - 59	IIII IIII	9	—	—	—	31	
60 - 64	IIII IIII IIII	18	1	18	18	49	$M_i = 60 + \frac{32,5}{18}$
65 - 69	IIII IIII IIII IIII	24	2	48	96	73	
70 - 74	II	2	3	6	18	75	$M_i = 60 + 1,8$
		75		+19	307		<u>$M_i = 61,8$</u>

$$M = 57,5 + \frac{19 \times 5}{75}$$

$$\sigma = \pm 5 \sqrt{\frac{307}{75} - \left(\frac{19}{75}\right)^2}$$

$$M = 57,5 + \frac{95}{75}$$

$$\sigma = \pm 5 \sqrt{4,09 - 0,25}$$

$$M = 57,5 + 1,266$$

$$\sigma = \pm 5 \sqrt{3,84}$$

$$M = 58,766$$

$$\sigma = \pm 5 \times 1,9$$

$$M - \sigma = 49,266$$

$$\sigma = \pm 9,5$$

4.7

$$\frac{10}{75}$$

minimum = 45

A large rectangular area with horizontal dotted lines, typical of a handwriting practice sheet or a template for a document.



$$P_{84,13} = 65 + \frac{14,0975 \times 5}{24}$$

$$Q_3 = 65 + \frac{7,25 \times 5}{24}$$

$$P_{84,13} = 65 + \frac{70,4875}{24}$$

$$Q_3 = 65 + \frac{36,25}{24}$$

$$P_{84,13} = 65 + 2,523$$

$$Q_3 = 65 + 1,51$$

$$P_{84,13} = 67,523$$

$$Q_3 = 66,51$$

$$M_o = 3 \times 61,8 - 2 \times 58,766$$

$$Q = \frac{66,51 - 53,19}{2}$$

$$M_o = 185,4 - 117,532$$

$$M_o = 67,868$$

$$Q = 6,66$$

$$C.V. = \frac{100 \times 9,5}{58,766}$$

$$\sigma_M = \pm \frac{9,5}{175}$$

$$C.V. = \frac{950}{58,766}$$

$$\sigma_M = \pm \frac{9,5}{8,66} = 1,09$$

$$C.V. = 16,165$$

$$\sigma_{D.P} = \pm \frac{9,5}{1150}$$

$$Q_1 = 50 + \frac{5,75 \times 5}{9}$$

$$Q_1 = 50 + \frac{28,75}{9}$$

$$\sigma_{D.P} = \pm \frac{9,5}{12,25}$$

$$Q_1 = 50 + 3,19$$

$$\sigma_{D.P} = \pm 0,77$$

$$Q_1 = 53,19$$



Mensageiro C.E.S. - P.H. 12/14

Nível Mental (4.ª parte)

	T	e	d	Ed	Ed ²	fac
0-1	II	2	-5	-10	50	2
2-3	I	1	-4	-4	16	3
4-5	II	2	-3	-6	18	5
6-7	IIII	4	-2	-8	16	9
8-9	IIII	5	-1	-5	5	14
10-11	IIIIIIIIII	14	-	-	-	28
12-13	IIIIIIIIIIIIIIIIIIII	29	1	29	29	57
14	IIIIIIIIII	18	2	36	42	75
		75		32	206	193

$$M_0 = 11 + \frac{32}{75} \times 2$$

$$\sigma = \pm 2 \sqrt{\frac{206}{75} - (0,426)^2}$$

$$M_0 = 11 + \frac{64}{75}$$

$$\sigma = \pm 2 \sqrt{2,746 - 0,181476}$$

$$\sigma = \pm 2 \sqrt{2,564524}$$

$$M_0 = 11 + 0,853$$

$$\sigma = \pm 2 \times 1,601$$

$$M_0 = 11,853$$

$$\sigma = \pm 3,20$$

$$M_{01} = 12 + \frac{9,5}{75} \times 2$$

$$Q_1 = 18,75$$

$$Q_1 = 10 + \frac{4,75 \times 2}{14}$$

$$M_{01} = 12 + 0,252$$

$$M_{01} = 12,252$$

$$Q_1 = 10 + 0,67 = 10,67$$

$$Q_3 = 56,25$$

$$Q_3 = 12 + \frac{28,56 \times 2}{29}$$

$$Q_3 = 12 + 1,96 = \underline{13,96}$$



Monografia M. E. S. - P. H. 12/14

Árvore Mental - (3ª parte)

x	T	f	d	fd	fd ²	fac
0-3		2	-6	-12	42	2
4-7		2	-5	-10	50	4
8-11						
12-15		2	-3	-6	18	6
16-19		2	-2	-4	8	8
20-23		2	-1	-2	2	10
24-27	 	32	-	-	-	42
28-	 	33	1	33	33	75
		75		-1	183	

$$M_0 = 26 - \frac{1}{75} \times 4$$

$$\sigma = \pm 4 \sqrt{\frac{183}{75} - (0,013)^2}$$

$$M_0 = 26 - 0,013 \times 4$$

$$\sigma = \pm 4 \sqrt{2,442 - 0,00169}$$

$$M_0 = 26 - 0,052$$

$$\underline{M_0 = 25,948}$$

$$\sigma = \pm 4 \sqrt{2,441831}$$

$$M_{0i} = 24 + \frac{27,5}{32} \times 4$$

$$\sigma = \pm 4 \times 1,562$$

$$M_{0i} = 24 + 3,40$$

$$\underline{\sigma = \pm 6,248}$$

$$\underline{M_{0i} = 27,40}$$

$$Q_1 = 18,75$$

$$Q_1 = 24 + \frac{8,75 \times 4}{32}$$

$$Q_1 = 24 + 1,09 = \underline{25,09}$$

$$Q_3 = 56,25$$

$$Q_3 = 28 + \frac{14,25 \times 4}{33}$$

$$Q_3 = 28 + 1,72 = \underline{29,72}$$



Mensagem: M. E. S. - P. H. 12/14

Teste Mental (2ª parte)

x	T	f	d	fd	fd ²	Pac
0	III	3	-5	-15	75	3
1	II	2	-4	-8	32	5
2	III	4	-3	-12	36	9
3	IIII	8	-2	-16	32	17
4	IIII	11	-1	-11	11	28
5	IIII	9	-	-	-	37
6	IIII	10	1	10	10	47
7	IIII	9	2	18	36	56
8	IIII	4	3	12	36	60
9	IIII	9	4	36	144	69
10	I	6	5	30	150	75
11		75		44	562	
12						

$$M = 5,5 + \frac{44}{75} \times 1$$

$$\sigma = \pm 1 \sqrt{\frac{562}{75} - (0,58)^2}$$

$$M = 5,5 + 0,58$$

$$\sigma = \pm 1 \sqrt{7,49 - 0,3364}$$

$$M = 6,08$$

$$\sigma = \pm 1 \sqrt{7,1536}$$

$$M_i = 6 + \frac{0,5}{10} \times 1$$

$$\sigma = \pm 1 \times 2,67$$

$$M_{oi} = 6 + 0,05$$

$$\sigma = \pm 2,67$$

$$M_{oi} = 6,05$$

$$Q_1 = 18,75$$

$$Q_1 = 4 + \frac{1,75 \times 1}{11}$$

$$Q_1 = 11 + 0,159 = \underline{11,159}$$

$$Q_3 = 56,25$$

$$Q_3 = 8 + \frac{0,25 \times 1}{4}$$

$$Q_3 = 8 + 0,062 = \underline{8,062}$$



Memórias - 16. E. S. - P.H. 12/14

Índice Mental (19 teste)

x	T	f	d	fd	fd ²	f _{ac}
0 - 1	I	1	-8	-8	64	1
2 - 3	I	1	-7	-7	49	2
4 - 5						
6 - 7						
8 - 9	II	2	-4	-8	32	4
10 - 11	III	3	-3	-9	27	7
12 - 13	III	4	-2	-8	16	11
14 - 15	IIII II	12	-1	-12	12	23
16 - 17	IIII III	16	-	-	-	39
18 - 19	IIII III III III III	31	1	31	31	70
20 -	IIII	5	2	10	20	75
		75		-11	251	

$$M = 17 - \frac{11}{75} \times 2$$

$$\sigma = \pm 2 \sqrt{\frac{251}{75} - \left(\frac{11}{75}\right)^2}$$

$$M = 17 - \frac{22}{75}$$

$$M = 17 - 0,293$$

$$\sigma = \pm 2 \sqrt{3,34 - 0,0196}$$

$$M = 16,707$$

$$\sigma = \pm 2 \sqrt{3,3204}$$

$$\sigma = \pm 2 \times 1,82$$

$$M_i = 16 + \frac{14,5 \times 2}{16}$$

$$\sigma = \pm 3,64$$

$$M_i = 16 + 1,80$$

$$Q_1 = 18,75$$

$$M_i = 17,80$$

$$Q_1 = 14 + \frac{8,75 \times 2}{12}$$

$$Q_1 = 14 + 1,45 = \underline{15,45}$$

$$Q_3 = 56,25$$

$$Q_3 = 18 + \frac{13,25 \times 2}{31}$$

$$Q_3 = 18 + 8,87 = \underline{26,87}$$



Mensagem. M. E. S. P. H. 1214.

Nível Mental (1ª parte.)

Partes	Luístros	Mei	%	Posos
1ª	20	17,80	89	1.
2ª	12	6,05	54,1	2.
3ª	28	27,40	97,85	1
Hª	14	12,25	87,5	1