

Exercício #04
 Quantos obtiveram, por 30 alunos, em
 uma prova de matemática, a seguinte

x	f	xs	$\sum xs$	$ d = (x - \bar{x})$	$f d $	$(x - \bar{x})^2$	$f(x - \bar{x})^2$
45-49	1	47	47	28.33	28.33	802.59	802.59
50-54	1	52	52	23.33	23.33	544.29	544.29
55-59	1	57	57	18.33	18.33	335.99	335.99
60-64	3	62	186	13.33	39.99	177.69	533.07
65-69	2	67	134	8.33	16.66	69.39	138.78
70-74	5	72	360	3.33	16.65	11.09	55.45
75-79	5	77	385	1.67	8.35	2.79	13.95
80-84	4	82	328	4.67	26.68	49.49	177.96
85-89	5	87	435	11.67	58.35	136.19	680.95
90-94	3	92	276	16.67	50.01	277.89	833.67
30		2260			286.68		4,116.70

$$\bar{x} = \frac{2260}{30}$$

$$s = 75.33$$

$$D.M. = \frac{286.68}{30}$$

$$D.M. = 9.56$$

$$s = \sqrt{\frac{4116.70}{30}}$$

$$s = \sqrt{137.22}$$

$$s = 11.71$$

$$V = \frac{11.71}{15.33} \times 100 =$$

$$15.54\%$$