

a) 1 polegada — 2,54 cm
 2,4" — X (cm)
 $X = 54,36 \text{ cm}$

1 m — 100 cm
 X — 54,36 cm
 $100X = 54,36$
 $X = \frac{54,36}{100}$
 $X = 0,54 \text{ m}$

1 cm — 10 mm
 54,36 cm — X
 $X = 543,60 \text{ mm}$

b) 1 acre — 0,4047 ha
 X — 1,8 ha
 $0,4047 \cdot X = 1,8$
 $X = \frac{1,8}{0,4047}$
 $X = 4,45 \text{ acres}$

1 ha — 10 000 m²
 1,8 ha — X
 $X = 18000,00 \text{ m}^2$

e) 1 ha — 10 000 m²
 X — 90 500 m²
 $X = \frac{90500}{10000}$
 $X = 9,05 \text{ ha}$

1 acre — 0,4047 ha
 X — 9,05 ha
 $X = \frac{9,05}{0,4047}$
 $X = 22,36 \text{ acres}$

d) 1 pi — 30,48 cm
 5000 — X (cm)
 $X = 152400,00 \text{ cm}$

1 m — 100 cm
 X — 152400,00 cm
 $X = \frac{152400,00}{100}$
 $X = 1524,00 \text{ m}$

1 km — 1000 m
 X — 1524,00 m
 $X = \frac{1524,00}{1000}$
 $X = 1,52 \text{ km}$

e) 1 acre — 0,4047 ha
 2500 — X (ha)
 $X = 1011,75 \text{ ha}$

1 ha — 10 000 m²
 1011,75 — X
 $X = 10117500,00 \text{ m}^2$

QUESTAO 2

$$K = 2500 \cdot \left(\frac{d}{l}\right)^2$$

$$K = 2500 \cdot \left(\frac{3}{125}\right)^2 = 1,44$$

$$d = 3,0 \text{ em}$$

$$l = 1,25 \text{ m} \rightarrow 125,00 \text{ em}$$

$$1 \text{ m} = 100 \text{ em}$$

$$0,71 = x$$

$$x = 71,00 \text{ em}$$

$$1 \text{ em} = 10 \text{ mm}$$

$$x \geq 9$$

$$x = 9/10 = 0,90$$

$$d = \frac{CAP(\text{em})}{\pi}$$

$$D_{s/c} = D_{c/c} - 2 \cdot Ec$$

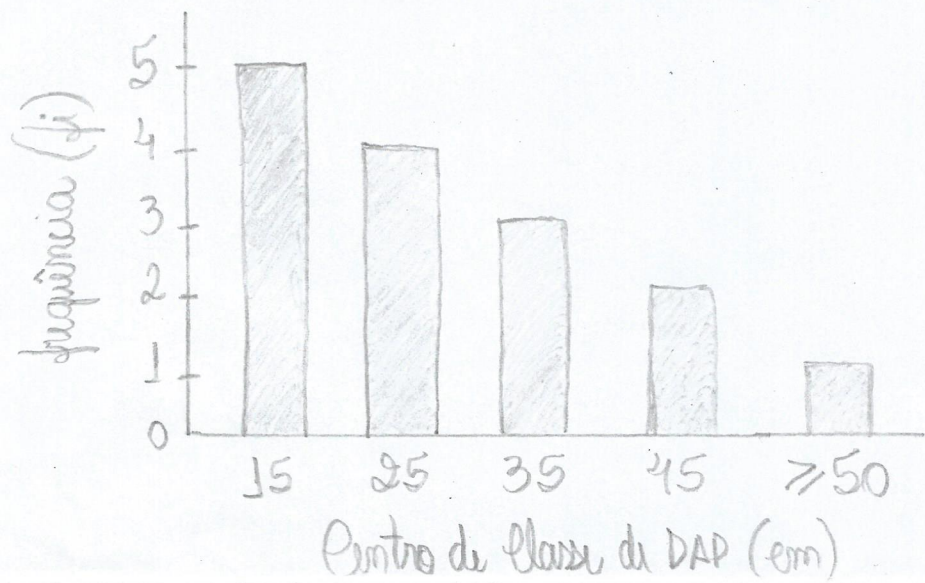
$$q = \frac{\pi \cdot DAP^2}{40000} = \frac{K}{AS(g)}$$

ÁRVORE	CAP(m)	CAP(em)	Ec(mm)	Ec(em)	DAP(em)	DAPs/c	q(m ²)	N.ha ⁻¹
1	0,71	71,00	9	0,90	22,60	20,80	0,0401	35,91
2	1,25	125,00	12	1,20	39,79	37,39	0,1243	11,58
3	0,36	36,00	8	0,80	11,46	9,86	0,0303	139,81
4	1,08	108,00	10	1,00	34,38	32,38	0,0928	15,52
5	0,85	85,00	9	0,90	27,06	25,26	0,0575	25,04
6	0,45	45,00	5	0,50	14,32	13,32	0,0361	89,44
7	1,37	137,00	11	1,10	43,61	41,41	0,1494	9,64
8	0,33	33,00	9	0,90	10,50	8,70	0,0087	165,52
9	1,73	173,00	15	1,50	55,07	52,07	0,2382	6,05
10	0,38	38,00	7	0,70	12,10	10,70	0,0115	125,22
11	0,93	93,00	9	0,90	29,60	27,80	0,0688	20,93
12	1,19	119,00	12	1,20	37,88	35,48	0,1127	12,78
13	0,75	75,00	10	1,00	23,87	21,87	0,0448	32,14
14	1,53	153,00	16	1,60	48,70	45,50	0,1863	7,73
15	0,42	42,00	10	1,00	13,37	11,37	0,0140	102,86

AB/ha = 1,44 · 15 = 21,60 m ² .ha ⁻¹	TOTAL	424,31	393,91	1,1755	800,17
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k.n

AMPLITUDE DE CLASSE	CENTRO DE CLASSE (cm)	FREQUÊNCIA (f_i)
10 — 20	15	5
20 — 30	25	4
30 — 40	35	3
40 — 50	45	2
≥ 50	≥ 50	1



$$* \bar{D} = \frac{\sum DAP}{n} = \frac{424,31}{15} = \underline{28,29 \text{ cm}}$$

$$* q = \sqrt{\frac{\sum DAP^2}{n}} = \sqrt{\frac{14966,66}{15}} = \sqrt{997,78} = \underline{31,59 \text{ cm}}$$

$$* d_{eq} = \sqrt{\sum DAP^2} = \sqrt{14966,66} = \underline{122,34 \text{ cm}}$$

$$* AB = \frac{\pi \cdot d_{eq}^2}{40000} = \frac{\pi \cdot 122,34^2}{40000} = \underline{1,1755 \text{ m}^2}$$

$$* \bar{g} = \frac{\pi \cdot q^2}{40000} = \frac{\pi \cdot 31,59^2}{40000} = \underline{0,0784 \text{ m}^2}$$