|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tree Measurement** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | Chapter:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |
|  |  |  |  |  |  |  |  |  |
| Contestant Number: \_\_\_\_\_\_\_\_\_\_\_ | | | |  | Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |
|  |  |  |  |  |  |  |  |  |
| Time: | 20 Minutes | |  |  |  |  |  |  |
| Score: | Four (4) points for each correct DBH | | | |  |  |  |  |
|  | Four (4) points for each correct Number of Logs | | | | |  |  |  |
|  | Ten (10) points for the correct total volume. | | | |  |  |  |  |
|  | Two (2) points deducted for each plus/minus 5% from correct volume. | | | | | | |  |
|  |  |  |  |  |  |  |  |  |
| Minimum Diameters and Log Lengths: | | | |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Diameter at Breast Height (DBH) | | | | 12.0" |  |  |  |  |
| Diameter at small end (top) | | |  | 10.0" |  |  |  |  |
| Length of 1/2 logs | |  |  | 8' |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  | Contents in Board Feet |  |  |  |  |
|  |  |  |  | Logs |  |  |  |  |
| DBH | 1/2 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 |
| 12 | 30 | 60 | 80 | 100 | 120 |  |  |  |
| 14 | 40 | 80 | 110 | 140 | 160 | 180 |  |  |
| 16 | 60 | 100 | 150 | 180 | 210 | 250 | 280 | 310 |
| 18 | 70 | 140 | 190 | 240 | 280 | 320 | 360 | 400 |
| 20 | 90 | 170 | 240 | 300 | 350 | 400 | 450 | 500 |
| 22 | 110 | 210 | 290 | 360 | 430 | 490 | 560 | 610 |
| 24 | 130 | 250 | 350 | 430 | 510 | 590 | 660 | 740 |
| 26 | 160 | 300 | 410 | 510 | 600 | 700 | 790 | 880 |
| 28 | 190 | 350 | 480 | 600 | 700 | 810 | 920 | 1020 |
| 30 | 220 | 410 | 550 | 690 | 810 | 930 | 1060 | 1180 |
| 32 | 260 | 470 | 640 | 790 | 940 | 1080 | 1220 | 1360 |
| 34 | 290 | 530 | 730 | 900 | 1060 | 1220 | 1380 | 1540 |
| 36 | 330 | 600 | 820 | 1010 | 1200 | 1380 | 1560 | 1740 |
| 38 | 370 | 670 | 910 | 1130 | 1340 | 1540 | 1740 | 1940 |
| 40 | 420 | 740 | 1010 | 1250 | 1480 | 1700 | 1920 | 2160 |
| 42 | 460 | 820 | 1100 | 1360 | 1610 | 1870 | 2120 | 2360 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Tree | D.B.H. |  | No. of 16 Ft Logs | |  |  |  |  |
| Number | 2" Class |  | (Nearest 1/2 Log) | | Board Feet/Tree | |  |  |
|  |  |  |  |  |  |  |  |  |
| 1. | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | |  |  |
|  |  |  |  |  |  |  |  |  |
| 2. | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | |  |  |
|  |  |  |  |  |  |  |  |  |
| 3. | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | |  |  |
|  |  |  |  |  |  |  |  |  |
| 4. | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | |  |  |
|  |  |  |  |  |  |  |  |  |
| 5. | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_ | |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  | Total Volume: | | \_\_\_\_\_\_\_\_\_\_\_ | |  |  |
|  |  |  |  |  |  |  |  |  |