FORMULAS FOR CONVERSION

One ton equals 2000 pounds.

One cord of PINE weighs 4,300 pounds - \(\frac{4,300}{2,000} \text{ lbs} = 2.15 \text{ tons}\)

Thus, one cord of PINE weighs 2.15 tons.

One cord of HEMLOCK weighs 4,800 pounds - \(\frac{4,800}{2,000} \text{ lbs} = 2.4 \text{ tons}\)

Thus, one cord of HEMLOCK weighs 2.4 tons.

One cord of CHIPS weighs 5,200 pounds - \(\frac{5,200}{2,000} \text{ lbs} = 2.6 \text{ tons}\)

Thus, one cord of CHIPS weighs 2.6 tons.

TONS TO CORDS

\[
\frac{5 \text{ tons}}{2.6 \text{ cords}} = 1.9 \text{ cords}
\]

OR

\[
5 \text{ (tons)} \times 2,000 \text{ lbs} = 10,000 \text{ lbs}
\]

\[
\frac{10,000}{5,200} = 1.9 \text{ cords}
\]

BOARD FEET TO CORDS

One Cord equals 500 Board Feet

\[
\frac{2,500 \text{ board feet}}{500} = 5 \text{ cords}
\]

CORDS TO BOARD FEET

\[
5 \text{ (cords)} \times 500 = 2,500 \text{ board feet}
\]

BOARD FEET TO TONS

\[
\frac{2,500 \text{ board feet of Pine}}{500} = 5 \text{ cords}
\]

(One cord of pine weighs 4,300 pounds)

\[
5 \times \frac{4,300}{2,000} = 21,500
\]

\[
\frac{21,500}{4,300} \text{ pounds (pine)} = 5 \text{ cords}
\]

(Ten cords = 500 board feet)

\[
5 \times 500 = 2,500 \text{ board feet}
\]

TONS TO BOARD FEET

\[
10.75 \text{ (tons)} \times 2,000 = 21,500
\]

\[
21,500 \div 4,300 \text{ pounds (pine)} = 5 \text{ cords}
\]

(One cord = 500 board feet)

\[
5 \times 500 = 2,500 \text{ board feet}
\]

CORDS TO TONS

1. 5 cords of pine times 2.15 tons per cord = 10.75 tons
2. 5 cords of hemlock times 2.4 tons per cord = 12 tons
3. 5 cords of chips times 2.6 tons per cord = 12 tons