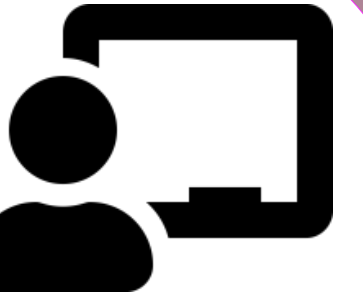


Compare and convert customary units Of weight





Definition



Converting metric units is being able to convert between different metric units of measurement

Customary units of weight

- ounce (oz)
- pound (lb)
- Ton (T)



Weight conversion formula

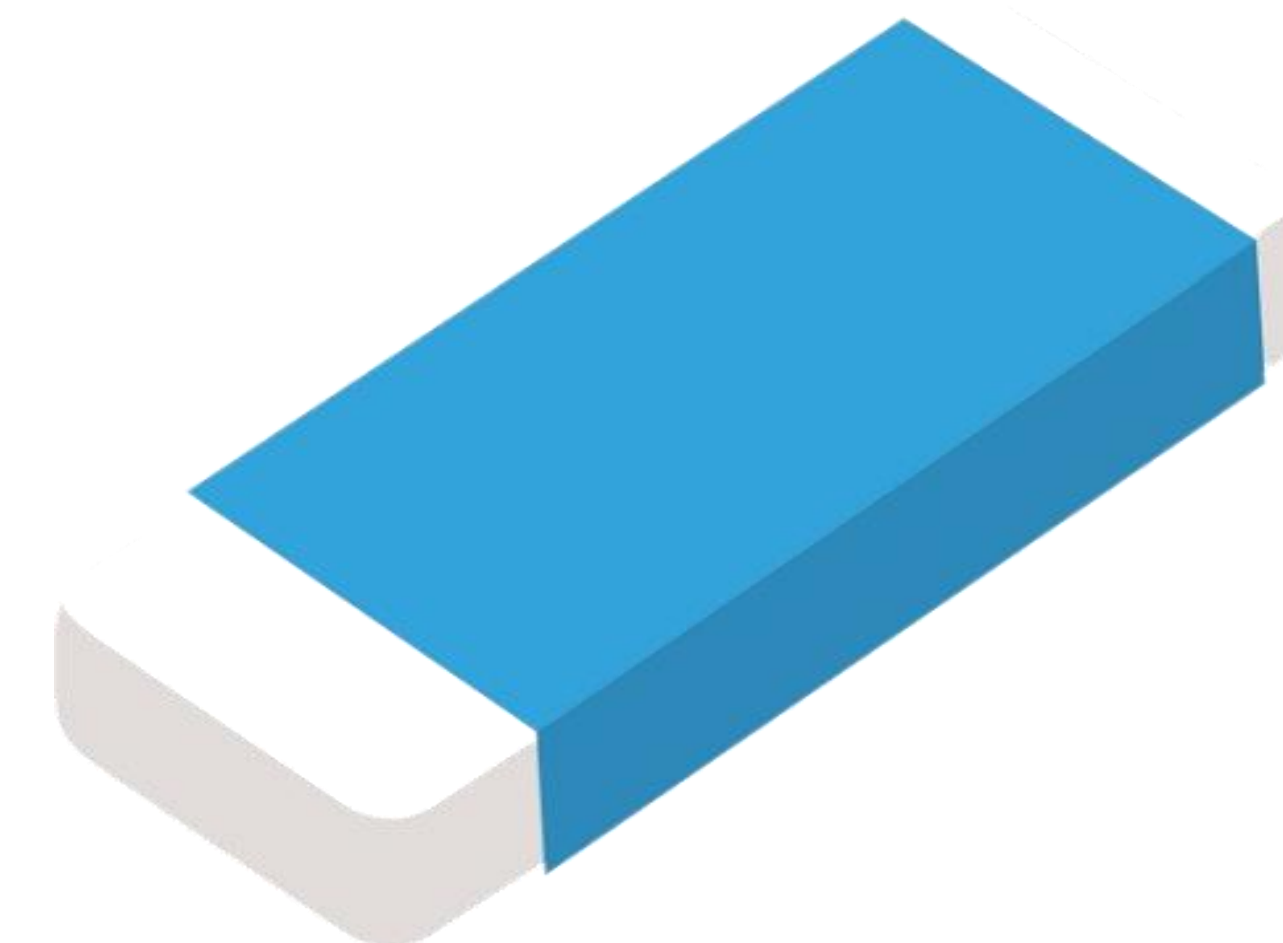
Weight

1 pound (lb) = 16 ounces (oz)

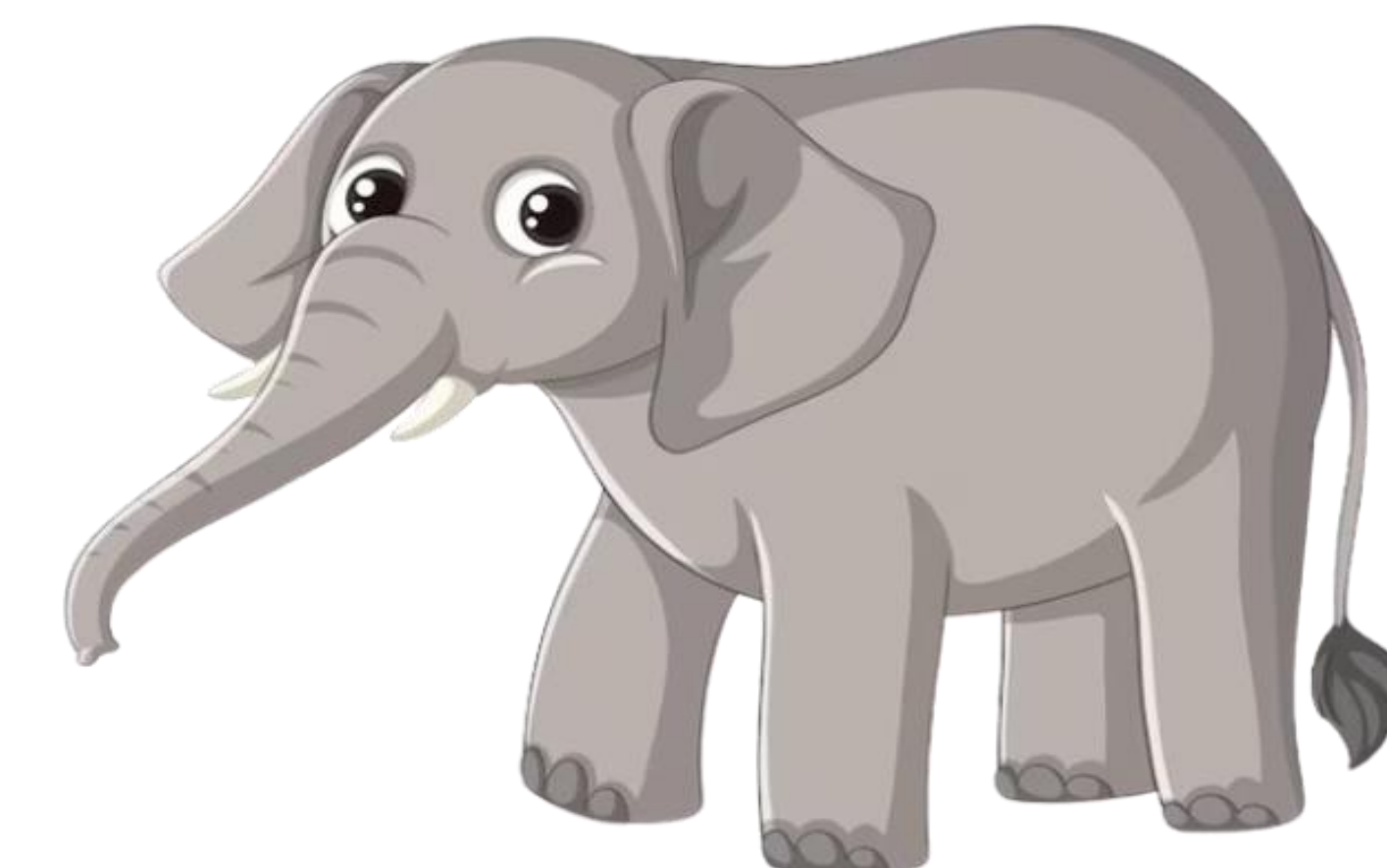
1 ton (T) = 2000 pounds (lb)

16 ounces (oz) = 1 pound (lb)

2000 pounds (lb) = 1 ton (T)



ounce



Ton



pound

To convert from a **larger unit to a smaller unit**, we need to **multiply**.

Example

$$1 \text{ pound (lb)} = \mathbf{16 \text{ ounces (oz)}}$$

$$4 \text{ pounds (lb)} = \mathbf{64 \text{ ounces (oz)}}$$

(multiply by **16**)

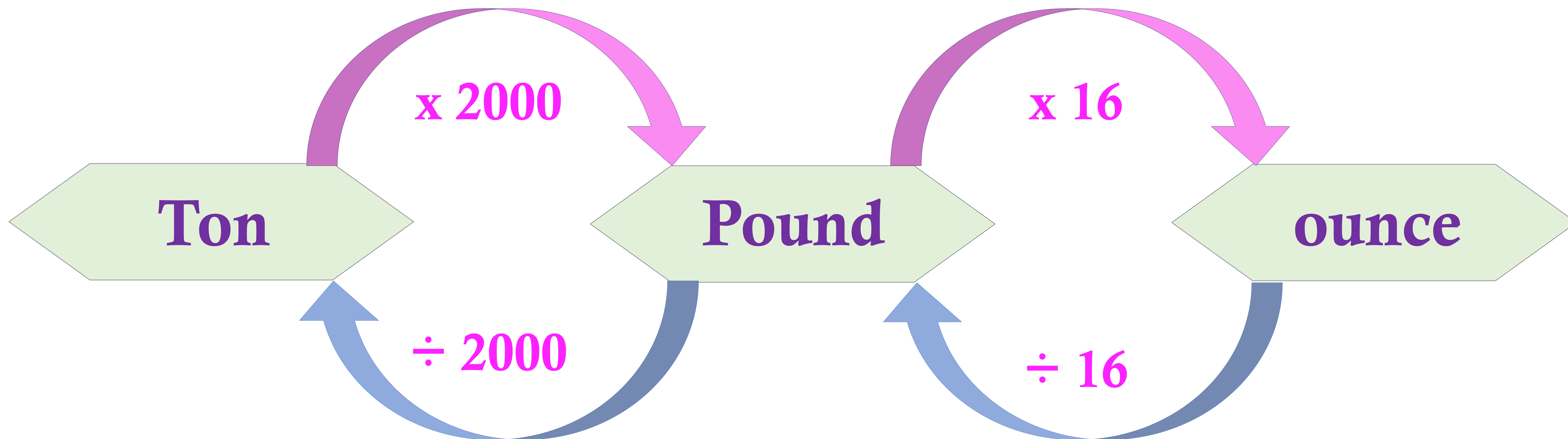
To convert from a **smaller unit to a larger unit**, we need to **divide**.

Example

$$2000 \text{ pounds (lb)} = \mathbf{1 \text{ ton (T)}}$$

$$4000 \text{ pounds (lb)} = \mathbf{2 \text{ tons (T)}}$$

(divide by **2000**)





Example: 1

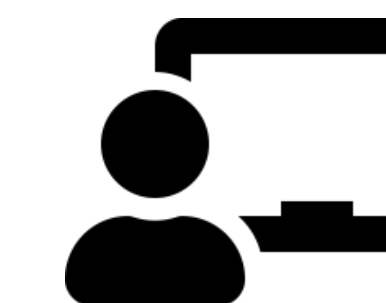
Convert 7 pounds to ounces.



pounds



ounces



Solution:

The conversion between **pounds and ounces** as follows.

There are

1 pound = 16 ounces

To convert pounds to ounces, you can **multiply the number of pounds by 16.**

$$7 \times 16 = 112 \text{ ounces.}$$

		1	6
x			7
	1	1	2

Therefore, **7 pounds** are equivalent to **112 ounces.**





Example: 2

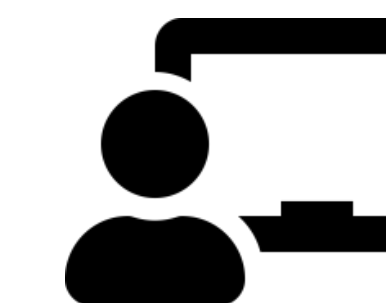
Convert **10** pounds to ounces.



pounds



ounces



Solution:

The conversion between **pounds and ounces** as follows.

There are

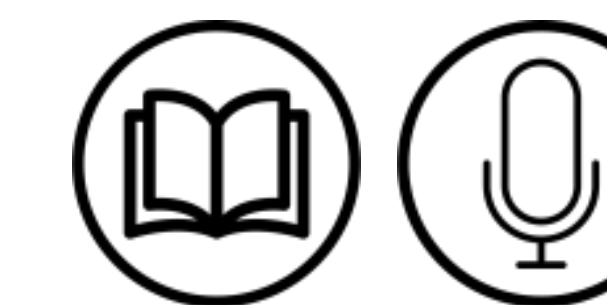
$$1 \text{ pound} = 16 \text{ ounces}$$

To convert pounds to ounces, you can **multiply the number of pounds by 16**.

$$10 \times 16 = 160 \text{ ounces.}$$

	1	6
	1	0
1	6	0

Therefore, **10 pounds** are equivalent to **160 ounces**.





Example: 3

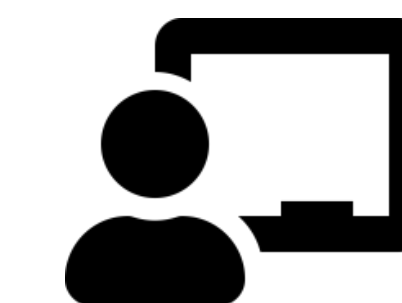
Convert 3 tons to pounds.



tons



pounds



Solution:

The conversion between **tons and pounds** as follows.

There are

$$1 \text{ ton} = 2000 \text{ pounds}$$

To convert tons to pounds, you can **multiply the number of tons by 2000**.

$$3 \times 2000 = 6000 \text{ pounds.}$$

x

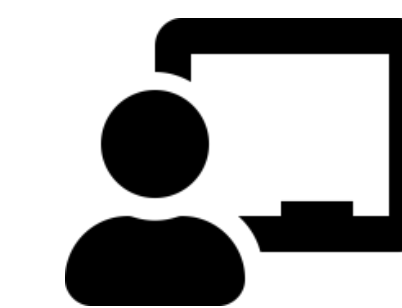
2	0	0	0
			3
6	0	0	0

Therefore, 3 tons are equivalent to **6000 pounds**.





Example: 4



Convert 5 tons to pounds.



tons



pounds

Solution:

The conversion between **tons and pounds** as follows.

There are

$$1 \text{ ton} = 2000 \text{ pounds}$$

To convert tons to pounds, you can **multiply the number of tons by 2000**.

$$5 \times 2000 = 10000 \text{ pounds.}$$

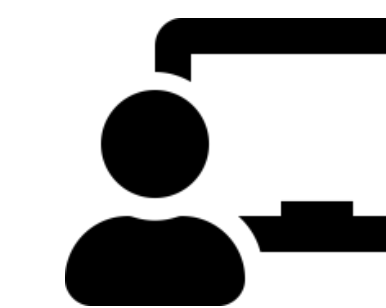
		2	0	0	0
x					5
	1	0	0	0	0

Therefore, **5 tons** are equivalent to **10000 pounds**.





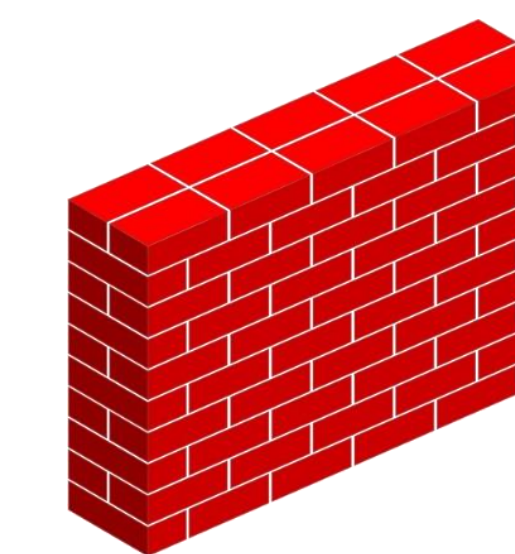
Example: 5



Convert **4000** pounds to ton.



pounds



tons

Solution:

The conversion between **pounds and tons** as follows.

There are

2000 pounds = 1 ton

To convert pounds to tons, you can **divide the number of pounds by 2000**.

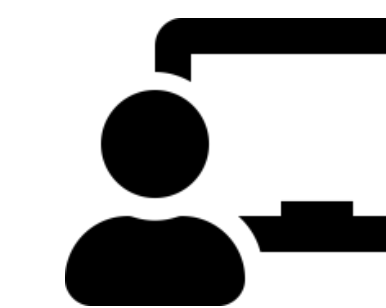
$$\frac{4000}{2000} = \mathbf{2 \text{ tons.}}$$

Therefore, **4000 pounds** are equivalent to **2 tons**.





Example: 6



Convert **8000** pounds to ton.



pounds



tons

Solution:

The conversion between **pounds and tons** as follows.

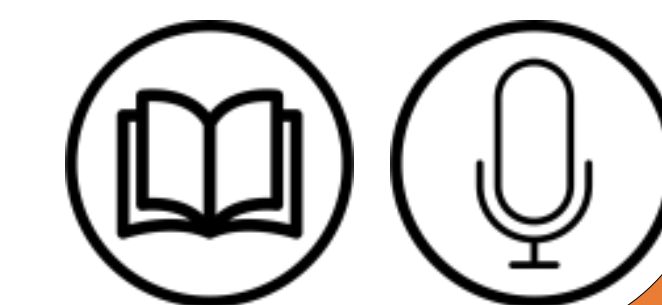
There are

2000 pounds = 1 ton

To convert pounds to tons, you can **divide the number of pounds by 2000.**

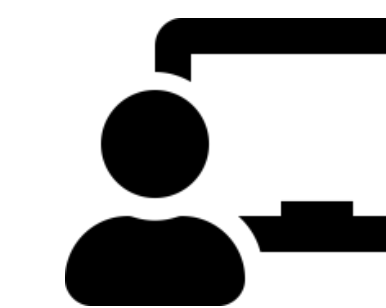
$$\frac{8000}{2000} = 4 \text{ tons.}$$

Therefore, **8000 pounds** are equivalent to **4 tons**.





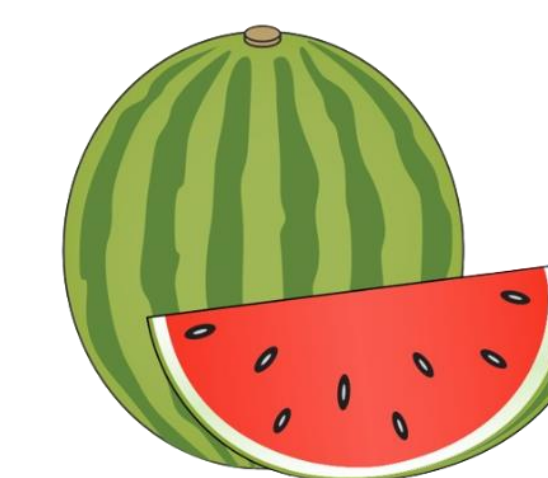
Example: 7



Convert 80 ounces to pounds.



ounces



pounds

Solution:

The conversion between **ounces and pounds** as follows.

There are

$$16 \text{ ounces} = 1 \text{ pound}$$

To convert ounces to pounds, you can **divide the number of ounces by 16**.

$$\frac{80}{16} = 5 \text{ pounds.}$$

Therefore, **80 ounces** are equivalent to **5 pounds**.





Example: 8

Convert 112 ounces to pounds.



ounces



pounds

Solution:

The conversion between **ounces and pounds** as follows.

There are

16 ounces = 1 pound

To convert ounces to pounds, you can **divide the number of ounces by 16.**

$$\frac{112}{16} = \mathbf{7 \text{ pounds.}}$$

Therefore, **112 ounces** are equivalent to **7 pounds.**

