Name: .... Class: ....

Compare and convert customary units of weight

Customary units of weight chart
16 ounces = 1 pound
2000 pounds = 1 ton

a. Which is bigger, 3,000 pounds or $1\frac{1}{2}$ tons?

b. Convert 6,000 pounds to ounces.

c. Convert $6\frac{1}{3}$ tons to pounds.

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a. Which is bigger, 3,000 pounds or $1\frac{1}{2}$ tons?

let's first of all convert pounds to tons.

If 2,000 pounds = 1 ton,

then 3,000 pounds = $\dfrac{3,000 \times 1}{2,000}$ tons

$= \dfrac{3}{2}$ tons = $1\frac{1}{2}$ tons.

Now, let's compare.

Since $1\frac{1}{2}$ tons is equal to $1\frac{1}{2}$ tons,

it implies that 3,000 pounds and $1\frac{1}{2}$ tons are equal.

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b. Convert 6,000 pounds to ounces.

If 1 pound = 16 ounces,

then 6,000 pounds = $\dfrac{6,000 \times 16}{1}$ ounces

```
      6, 0 0 0
  x       1 6
  9 6, 0 0 0
```
So, 96,000 ounces = 6,000 pounds

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c. Convert $6\frac{1}{3}$ tons to pounds.

if 1 ton = 2000 pounds,

then $6\frac{1}{3}$ tons = $\dfrac{2,000 \times 19}{3}$

$= \dfrac{38,000}{3}$ tons

```
        1,2666
   3 | 38,000
      - 3↓
        08
      -  6↓
         20
      -  18↓
          20
      -   18↓
           20
      -    18
            2
```

So, 12,666 $\frac{2}{3}$ pounds = $6\frac{1}{3}$ tons

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