

Converting Customary Units of Weight Notes/Practice (pp. 1 of 2)

Changing Smaller Units to Larger Units

Ms. Garcia bought 32 ounces of hamburger meat. How many pounds of hamburger meat did she buy?

Write down what you are supposed to find out. → $32 \text{ oz} = \underline{\hspace{1cm}} \text{ lb}$

Write down what you know about ounces and pounds. → $16 \text{ oz} = 1 \text{ lb}$
(You can get this information from the Grade 4 TAKS Mathematics Chart.)

Use a table to organize the information and determine the rule or process to convert the measurement units. →

Ounces	Rule/Process	Pounds
16	÷ 16	1
32	÷ 16	2

(Notice that ounces are smaller units than pounds, so you need to divide to convert.)

$$\begin{array}{r}
 2 \rightarrow 2 \text{ lbs} \\
 16 \overline{) 32} \\
 \underline{-32} \\
 0
 \end{array}$$

How many 16's are in 32? Think: $16 \times 2 = 32$ or $16 + 16 = 32$. Therefore, there are **2** 16's in 32.

OR

Ms. Garcia bought 2 lbs of hamburger meat.

Changing Larger Units to Smaller Units

A hippo weighs 2 tons. How many pounds does the hippo weigh?

Write down what you are supposed to find out. → $2 \text{ T} = \underline{\hspace{1cm}} \text{ lb}$

Write down what you know about tons and pounds. → $1 \text{ T} = 2000 \text{ lb}$
(You can get this information from the Grade 4 TAKS Mathematics Chart.)

Use a table to organize the information and determine the rule or process to convert the measurement units. →

Tons	Rule/Process	Pounds
1	x 2000	2000
2	x 2000	4000

(Notice that tons are larger units than pounds, so you need to multiply to convert.)

2 tons equals 4000 pounds. The hippo weighs 4000 pounds.

Converting Customary Units of Weight

Notes/Practice (pp. 2 of 2)

Complete each of the following by using a table to organize the measurement units. Show your work.

Practice:

(1) 64 oz = _____ lb	(2) 4 T = _____ lb
(3) 5 lb = _____ oz	(4) 144 oz = _____ lb
(5) 12 lb = _____ oz	(6) 16,000 lb = _____ T

Converting Customary Units of Weight

Notes/Practice (pp. 1 of 2) **KEY**

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2 tons equals 4000 pounds. The hippo weighs 4000 pounds.

Converting Customary Units of Weight

Notes/Practice (pp. 2 of 2) **KEY**

Complete each of the following by using a table to organize the measurement units. Show your work.

Practice:

<p>(1) 64 oz = 4 lb</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Ounces</th> <th>Rule</th> <th>Pounds</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>÷ 16</td> <td>1</td> </tr> <tr> <td>64</td> <td>÷ 16</td> <td>4</td> </tr> </tbody> </table> $ \begin{array}{r} 4 \text{ lb} \\ 16 \overline{) 64} \\ \underline{-64} \\ 0 \end{array} $	Ounces	Rule	Pounds	16	÷ 16	1	64	÷ 16	4	<p>(2) 4 T = 8000 lb</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Tons</th> <th>Rule</th> <th>Pounds</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>x 2000</td> <td>2000</td> </tr> <tr> <td>4</td> <td>x 2000</td> <td>8000</td> </tr> </tbody> </table>	Tons	Rule	Pounds	1	x 2000	2000	4	x 2000	8000
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<p>(3) 5 lb = 80 oz</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Pounds</th> <th>Rule</th> <th>Ounces</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>x 16</td> <td>16</td> </tr> <tr> <td>5</td> <td>x 16</td> <td>80</td> </tr> </tbody> </table>	Pounds	Rule	Ounces	1	x 16	16	5	x 16	80	<p>(4) 144 oz = 9 lb</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Ounces</th> <th>Rule</th> <th>Pounds</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>÷ 16</td> <td>1</td> </tr> <tr> <td>144</td> <td>÷ 16</td> <td>9</td> </tr> </tbody> </table> $ \begin{array}{r} 9 \text{ lb} \\ 16 \overline{) 144} \\ \underline{-144} \\ 0 \end{array} $	Ounces	Rule	Pounds	16	÷ 16	1	144	÷ 16	9
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<p>(5) 12 lb = 192 oz</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Pounds</th> <th>Rule</th> <th>Ounces</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>x 16</td> <td>16</td> </tr> <tr> <td>12</td> <td>x 16</td> <td>192</td> </tr> </tbody> </table>	Pounds	Rule	Ounces	1	x 16	16	12	x 16	192	<p>(6) 16,000 lb = 8 T</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Pounds</th> <th>Rule</th> <th>Tons</th> </tr> </thead> <tbody> <tr> <td>2000</td> <td>÷ 2000</td> <td>1</td> </tr> <tr> <td>16,000</td> <td>÷ 2000</td> <td>8</td> </tr> </tbody> </table> <p style="text-align: center;"><i>2000 x 8 = 16,000 or 2000 added 8 times = 16,000</i></p>	Pounds	Rule	Tons	2000	÷ 2000	1	16,000	÷ 2000	8
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