

Homework & Practice 13-3

Equivalence with Customary Units of Weight

Another Look!

The world's largest horse weighed almost $1\frac{1}{2}$ tons. An average mature male horse weighs about 1,200 pounds. How much more did the largest horse weigh than an average horse?

Step 1

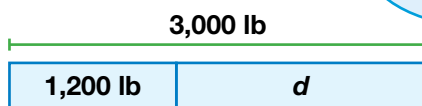
Convert the weight of the world's largest horse to pounds.

Tons	Pounds
$\frac{1}{2}$	1,000
1	2,000
$1\frac{1}{2}$	3,000

$1\frac{1}{2}$ tons = 3,000 pounds

Step 2

Find the difference.



$3,000 - 1,200 = d$

$d = 1,800$

The world's largest horse weighed 1,800 pounds more than an average male horse.

There are 2,000 pounds in a ton.



For 1–6, convert each unit.

1. 21 pounds = _____ ounces

2. 8 tons = _____ pounds

3. $8\frac{3}{4}$ pounds = _____ ounces

4. $4\frac{3}{8}$ pounds = _____ ounces

5. 6 tons = _____ pounds

6. $6\frac{1}{2}$ pounds = _____ ounces

For 7–8, complete each table.

7.

Tons	Pounds
1	
2	
3	
4	
5	

8.

Pounds	Ounces
1	
2	
3	
4	
5	

For 9–11, use the table and art shown at the right.



9. © **MP.6 Be Precise** What is the total weight in ounces of Heidi's 2 guinea pigs?
10. © **MP.6 Be Precise** What is the total weight in ounces of the food for Heidi's guinea pigs?
11. **Higher Order Thinking** A pound of guinea pig pellets is about 3 cups of food. Each guinea pig eats $\frac{1}{4}$ cup of pellets a day. How many days will the pellets last? Explain.

Food for Heidi's Guinea Pigs	
Food	Weight
Grass or hay	$2\frac{1}{2}$ pounds
Vegetables	15 ounces
Pellets	5 pounds

12. © **MP.2 Reasoning** Which product is greater, 9×15 or 9×17 ? Explain how you can tell without finding the products.
13. © **MP.1 Make Sense and Persevere** What two 1-digit factors could you multiply to get a product between and including 40 and 50?

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14. Which is most likely to weigh 4 tons?
- (A) A watermelon
 - (B) A man
 - (C) A clothes dryer
 - (D) A helicopter
15. Each stone in Ally's collection weighs about 4 ounces. Her collection weighs about 24 pounds in all. About how many stones are in Ally's collection?
- (A) 3 stones
 - (B) 4 stones
 - (C) 36 stones
 - (D) 96 stones