



Math Virtual Learning

# 4th Grade Measurement

April 7, 2020



4th Grade Math  
Lesson: April 7, 2020

**Learning Target:**

Students will choose the correct unit of measurement for objects within a system.

Students will convert larger units of Standard weight measurement into smaller units.

## Background:

- Students learned to choose the appropriate tool for measuring weight in 3rd grade.
- Students learned to choose the appropriate unit of weight for an object in 3rd grade.
- Student were given a picture of an object on a scale to determine the weight to the nearest pound and ounce in 3rd grade.

## Let's Get Started:

### Watch Videos:

1. [Ounces, Pounds, Tons Song](#)
2. [Converting Units of Weight](#)

## Practice #1:

What is the best unit of measurement to weigh the apple?

Think back to the video.  
Four quarters weigh  
about an ounce.



Would I use ounces  
or pounds to  
measure the weight  
of an apple ?

Ounces! Remember there  
are 16 ounces in a pound.

## Practice #2:

What is the best unit of measurement to weigh a watermelon?  
Ounces or pounds?

Think back to the video.

- A mouse weighs about an ounce.
- A can of pop weighs about a pound.



Pounds is correct!

Great job!

## Practice #3:

Now time to convert larger units to smaller units.

**1 pound = 16 ounces**

Examples:  
**2 pounds = \_\_\_\_\_ ounces**

★ **Larger to Smaller : Multiply**  
2 pounds x 16 (ounces per pound) = 32 ounces

1lb = 16 oz	4 ½ lbs = 4 x 16 + 8 = 72 oz
2 lbs = 32 oz	2 ½ lbs = 2 x 16 + 8 = 40 oz
3 lbs =	3 ½ lbs =
4 lbs =	5 ½ lbs =
5 lbs =	2 ¾ lbs = 2 x 16 + 4
8 lbs =	1 ¾ lbs =
9 lbs =	3 ¾ lbs =

For fractions think:  
Half of 16 is 8.  
16 divided into 4 parts is 4.

## Practice #4:

Let's try converting weight in a story problem.

Michael's turkey burger recipe calls for 4 pounds of ground turkey. How many ounces should he purchase?

Michael needs \_\_\_\_\_ ounces of ground turkey.

My Work:

$$4 \text{ lbs} = \_\_? \_\_ \text{ oz}$$

\*Remember to make all of the units of measure the same

My Work:

$$2 \times 17 = \_\_? \_\_ \text{ pounds}$$

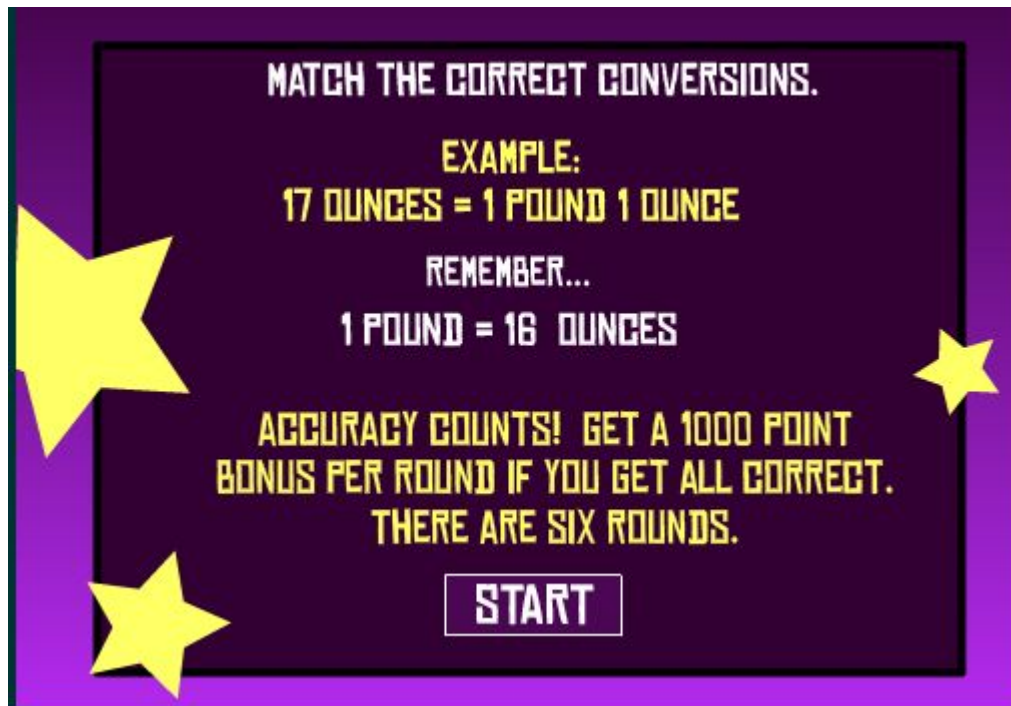
$$\_\_? \_\_ \text{ pounds} \times 16 = \text{ounces of soil}$$

Mrs. Dent gave each student in her class 2 pounds of soil for their plant. She has 17 students in her class. How many ounces of soil did Mrs. Dent's class use?

Mrs. Dent's class used \_\_\_\_\_ ounces of soil.

Practice on your own:  
Go to this website:  
[Weight Conversions](#)

1. Take a look at the conversion chart they show you.
2. Then click start.
3. Click the units of measurement that match.



MATCH THE CORRECT CONVERSIONS.

EXAMPLE:  
17 OUNCES = 1 POUND 1 OUNCE

REMEMBER...  
1 POUND = 16 OUNCES

ACCURACY COUNTS! GET A 1000 POINT BONUS PER ROUND IF YOU GET ALL CORRECT. THERE ARE SIX ROUNDS.

START



# Practice Pages:










Name: \_\_\_\_\_

## Estimating Weight

1 pound = 16 ounces  
1 ton = 2,000 pounds

A slice of bread weighs about an ounce.  
A shoe weighs about a pound.  
A small car weighs about a ton.

Circle the most reasonable weight for each item pictured below.

-   
2 ounces  
1 pound  
10 pounds
-   
1 ounce  
6 ounces  
12 ounces
-   
1 pound  
4 pounds  
20 pounds
-   
50 pounds  
half a ton  
12 tons
-   
half an ounce  
12 ounces  
4 pounds
-   
4 ounces  
1 pound  
10 pounds
-   
20 pounds  
600 pounds  
1 ton
-   
5 ounces  
3 pounds  
10 pounds
-   
12 ounces  
3 pounds  
15 pounds

Super Teacher Worksheets - [www.superteacherworksheets.com](http://www.superteacherworksheets.com)

Click on picture to  
open worksheet.




Name: \_\_\_\_\_

## Weight

1 pound = 16 ounces  
1 ton = 2,000 pounds

Abbreviation for pounds = lbs.  
Abbreviation for ounces = oz.  
Abbreviation for tons = T



3 lbs. = \_\_\_\_ oz.  
16 oz. + 16 oz. + 16 oz. = 48 oz.  
3 lbs. = 48 oz.

3 T = \_\_\_\_ lbs.  
2,000 lbs. + 2,000 lbs. + 2,000 lbs. = 6,000 lbs.  
3 T = 6,000 lbs.

- 4 lbs. = \_\_\_\_ oz.
- 2 T = \_\_\_\_ lbs.
- 2 lbs. = \_\_\_\_ oz.
- 5 T = \_\_\_\_ lbs.
- 5 lbs. = \_\_\_\_ oz.
- 4 T = \_\_\_\_ lbs.
- Which weighs more: 3 pounds of butter or 60 ounces of butter? Explain.  
\_\_\_\_\_  
\_\_\_\_\_
- Which weighs more: 2 pounds of bricks or 2 pounds of feathers? Explain.  
\_\_\_\_\_  
\_\_\_\_\_

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## Self Check:

Go tell someone in your home your answers.



1. Was this lesson?

- easy,
- just right
- hard

2. Find 5 items in your house that you would measure using ounces, and 5 you would measure using pounds. Show someone what they are, and tell them how many ounces or pounds you think the items weigh.