

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

## Customary unit conversions involving fractions and mixed numbers

Convert the following expressions below simplify your answer and write it as a proper fraction or as a whole or mixed number.

1. 18 inches = \_\_\_\_\_ yards.

2. \_\_\_\_\_ ounces =  $\frac{1}{8}$  of a pound.

3. \_\_\_\_\_ pint = 16 quarts.

4. 64 cups = \_\_\_\_\_ quarts.

5.  $18\frac{1}{2}$  miles = \_\_\_\_\_ quarts.

6. 75,261,200 minutes = \_\_\_\_\_ seconds.

7. \_\_\_\_\_ ounces = 527, 741 pounds.

8. 8, 714 weeks = \_\_\_\_\_ years. Give your answer to the nearest whole number.

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Convert the following expressions. Simplify your answer and write it as a proper fraction, whole or mixed number.

1. 18 inches = \_\_\_\_\_ yards.

here, we are converting a smaller unit to a bigger unit, so we have to divide.

36 inches is equal to 1 yard.

therefore, 18 inches =  $\frac{18 \text{ inches} \times 1 \text{ yard}}{36 \text{ inches}}$

=  $\frac{18}{36}$  =  $\frac{1}{2}$  yard.

2. So, 2 ounces =  $\frac{1}{8}$  of a pound.

3. So, 32 pints = 16 quarts.

4. So, 64 cups = 16 quarts.

5. So,  $18 \frac{1}{2}$  miles is equal to 97,680 feet

6. So, 75,261,200 minutes is equal to 4,515,672,000 seconds.

7. So, 8,443,856 ounces is equal to 527,741 pounds.

8. So, 8,714 weeks is equal to  $167 \frac{15}{26}$  years.