

Name: Class:

Convert mixed customary units

Convert the following.

1. 5,480 feet = mile Feet

2. 200 inches = yard inches

3. 7 quarts 1 pint = pints



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Convert the following.

1. 5,480 feet = mile Feet

Let's find out how many miles are in 5,480 feet

Since 5,280 feet = 1 mile

Divide 5,480 by 5,280 :-

$$5,480 \div 5,280 = \frac{137 \times 4}{132 \times 4} = \frac{137}{132} \longrightarrow 132 \overline{) 137} \begin{array}{r} 1 \\ - 132 \\ \hline 5 \end{array}$$

So, 5,480 feet = 1 mile 5 feet

2. 200 inches = yard inches

Let's find out how many yards are in 200 inches

Since 36 inches = 1 yard

$$\text{Then, } 200 \text{ inches} = \frac{200 \times 1}{36} = \frac{50 \times 4}{9 \times 4} = \frac{50}{9} \longrightarrow 9 \overline{) 50} \begin{array}{r} 5 \\ - 45 \\ \hline 5 \end{array}$$

So, 200 inches = 5 yards 5 inches

3. 7 quarts 1 pint = pints

Let's first of all find out how many pints are in 6 quarts.

Since 1 quart = 2 pints

$$\text{So, } 7 \text{ quarts} = \frac{7 \times 2}{1} = 14 \text{ pints}$$

$$7 \text{ quarts } 1 \text{ pint} = 14 \text{ pints} + 1 \text{ pint}$$

$$14 \text{ pints} + 1 \text{ pint} = 15 \text{ pints}$$

So, 7 quarts 1 pints = 15 pints

