

# U.S. Customary unit conversion with mixed number values: Two-step conversion: Worksheet 10.1

Name ..... Date ..... Score .....

Fill in the blanks to make the conversions true.

1.  $3\frac{1}{6}$  yards = \_\_\_\_ inches
2.  $1\frac{1}{6}$  miles = \_\_\_\_ feet
3.  $72\frac{1}{2}$  inches = \_\_\_\_ yards
4.  $32000\frac{1}{2}$  ounces = \_\_\_\_ tons
5.  $2\frac{1}{10}$  tons = \_\_\_\_ ounces
6.  $9\frac{1}{8}$  gallons = \_\_\_\_ pints
7.  $64\frac{1}{2}$  cups = \_\_\_\_ gallons
8.  $1440\frac{1}{2}$  minutes = \_\_\_\_ day
9.  $3600\frac{1}{2}$  seconds = \_\_\_\_ hours
10.  $4\frac{1}{8}$  gallons = \_\_\_\_ cups



## Solutions: Worksheet 10.1

1.  $3\frac{1}{6}$  yards = 114 inches
2.  $1\frac{1}{6}$  miles = 6160 feet
3.  $72\frac{1}{2}$  inches =  $2\frac{1}{72}$  yards
4.  $32000\frac{1}{2}$  ounces =  $1\frac{1}{64000}$  tons
5.  $2\frac{1}{10}$  tons = 67,200 ounces
6.  $9\frac{1}{8}$  gallons = 73 pints
7.  $64\frac{1}{2}$  cups =  $4\frac{1}{32}$  gallons
8.  $1440\frac{1}{2}$  minutes =  $1\frac{1}{2880}$  day
9.  $3600\frac{1}{2}$  seconds =  $1\frac{1}{7200}$  hours
10.  $4\frac{1}{8}$  gallons = 66 cups

