

Name: _____

Period 2 3 4 6

Date: _____

Unit Conversion Worksheet

Must show ALL work using dimensional analysis

Conversions

1 hour = 3600 seconds

1 mile = 5280 feet

1 yard = 3 feet

1 meter = 3.28 feet

1 km = 0.62 miles

1 light second = 300,000,000 meters

1 kg = 2.2 lbs

1 lb = 0.453 kg

1 quart = 0.946 liters

1 m/s = 2.2 miles/hour

1 foot = 12 inches

1 inch = 2.54 cm = 25.4 mm

Convert the following quantities.

565,900 seconds into days

17 years into minutes

43 miles into feet

165 pounds into kilograms

100 yards into meters

22,647 inches into miles

2678 cm into feet

60 miles per hour into meters per second

130 meters per second into miles per hour

1100 feet per second into miles per hour

53 yards per hour into inches per week

721 lbs per week into kg per second

88 inches per second into miles per day

12080 gallons per month into liters per hour

27 miles per gallon into kilometers per liter

186,282 miles per second into meters per second