Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period 3

 **Unit Conversion Worksheet**

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 quart = 0.946 liters

1 foot = 12 inches

1 inch = 2.54 cm = 25.4 mm

Convert the following quantities. (using the number of S.F. in the question to guide your answer)

1. 565,900 seconds into days
2. 17 years into minutes
3. 43 miles into feet
4. 165 pounds into kilograms
5. 100 yards into meters
6. 22,647 inches into miles
7. 2678 cm into feet
8. 60 miles per hour into meters per second (2 SF please)

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 quart = 0.946 liters

1 foot = 12 inches

1 inch = 2.54 cm = 25.4 mm

1. 130 meters per second into miles per hour
2. 1100 feet per second into miles per hour
3. 53 yards per hour into inches per week
4. 721 lbs per week into kg per second
5. 88 inches per second into miles per day

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Answers:

1. 6.550 days
2. 8.9x106 min
3. 2.3x105 feet
4. 75.0 kg
5. 9x101 metres
6. 0.35743 miles
7. 87.86 feet
8. 27 m/s
9. 2.9x102 miles/hr
10. 750 miles/hr
11. 3.2x105 in/week
12. 5.42x10-4 kg/s
13. 120 miles/day