Imperial and Metric Units of Measurement

Name:	Class:	Date:

Mark	/ 12	%

1) Work out the following conversion [6]

  a) 2 square yards = ... square feet

  b) 9 square inches = ... square feet

  c) 5 miles = ... yards

  d) 6 yards = ... feet

  e) 5 Fluid Ounces = ... Pints

  f) 10 lb = ... oz

2) Work out the following conversion, using 1 hectare ≈ 2.5 acres [1]

   9 acres = ... hectares

3) Work out the following conversion, rounding your answer to 3 significant figures [2]

  a) 5 feet = ... yards

  b) 9 oz = ... lb

4) Using the following conversions in your calculations, [1]
1 mile ≈ 1.61 km
1 yard (yd) ≈ 91.44 cm
1 foot (ft) ≈ 30.48 cm
1 inch (in) ≈ 2.54 cm

Work out the conversion below, rounding your answer to 3 significant figures.

   10 cm = ... in

5) Using the following conversions in your calculations [1]

1 pint ≈ 0.568 litres

1 gallon ≈ 4.55 litres

1 fluid ounce (fl.oz.) ≈ 28.41 ml

Convert between the measurements below, rounding your answer to 3 significant figures

10 litres = ... gallons

6) Using the following conversions in your calculations [1]

1 stone ≈ 6.35 kg

1 pound (lb) ≈ 0.454 kg

1 ounce (oz) ≈ 28.35 g

Convert between the measurements below, rounding your answer to 3 significant figures

6 kg = ... stone

Solutions for the assessment Imperial and Metric Units of Measurement

1) a) 18 square feet b) 0.0625 square feet

c) 8800 yards d) 18 feet

e) 0.25 Pints f) 160 oz

2) 3.6 hectares

3) a) 1.67 yards b) 0.563 lb

4) 3.94 in **5)** 2.20 gallons

6) 0.945 stone