

Imperial units

Name:	Class:	Date:
Mark		/ 10
		%

1) Work out the following conversion [3]

a) 7 yards = feet

b) 10 lb = oz

c) 4 Fluid Ounces = Pints

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

a) 5 inches = feet

b) 7 lb = stone

3) Using the following conversions in your calculations, [1]

1 mile \approx 1.61 km

1 yard (yd) \approx 91.44 cm

1 foot (ft) \approx 30.48 cm

1 inch (in) \approx 2.54 cm

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

9 miles = km

4) Using the following conversions in your calculations

1 stone \approx 6.35 kg

1 pound (lb) \approx 0.454 kg

1 ounce (oz) \approx 28.35 g Convert between the measurements below, rounding your answer to 3 significant figures

10 kg = lb

[1]

5) Using the following conversions in your calculations

[1]

1 pint \approx 0.568 litres

1 gallon \approx 4.55 litres

1 fluid ounce (fl.oz.) \approx 28.41 ml

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

7 ml = fl.oz.

6) Work out the following conversion to 3 significant figures, using $C = \frac{5}{9}(F - 32)$ where C is Celcius and F is Fahrenheit

97°F = °C

[1]

7) Work out the following conversion, using $C = \frac{5}{9}(F - 32)$ where C is Celcius and F is Fahrenheit

[1]

19°C = °F

Solutions for the assessment Imperial units

1) a) 21 feet

b) 160 oz

c) 0.2 Pints

2) a) 0.417 feet

b) 0.500 stone

3) 14.5 km

4) 22.0 lb

5) 0.246 fl.oz.

6) 36.1°C

7) 66.2°F