**11 February 2021**

**Activity 3 : Answers**

Please mark your work and do corrections before moving on to today’s work.

1. 30 ml 🡪 fl oz

**1 fl oz = 29.6 ml**

Fl oz : ml

1 : 29.6

X : 30

29.6 times x = 30 x 1

29.6 x = 30

29.6 29.6

X = 1.01 fl oz

2. 10 g 🡪 oz

**1 ounce = 28 g**

Ounce : gram

1 : 28

X : 10

28 times x = 10 x 1

28 x = 10

28 28

X = 0.36 oz

3. 0,455 kg 🡪lb

The only metric conversion with pounds given is with grams as shown below.

First convert kg to g 🡪 0.455 kg x 1000 = 455 g

**1 pound = 453 g**

pound : gram

1 : 453

X : 455

453 times x = 455 x 1

453 x = 455

453 453

X = 1 pound

4. 0,2 l 🡪fl oz

The only metric conversion with fl oz given is with ml as shown below.

First convert litres to ml 🡪 0.2 litres x 1000 = 200ml

**1 fl oz = 29.6 ml**

Fl oz : ml

1 : 29.6

X : 200

29.6 times x = 200 x 1

29.6 x = 200

29.6 29.6

X = 6.76 fl oz

**Topic : Conversions**

**Subtopic : Temperature**

Two units of measurement:

* Imperial – Degrees Fahrenheit (° F )
* Metric – Degrees Celsius ( ° C )

To calculate Degrees Fahrenheit (° F)

**° F = ( 1.8 X ° C) + 32**

To calculate Degrees Celsius ( ° C )

**° C = ( ° F -32 ) ÷ 1.8**

Instructions:

* Write down correct formula
* Substitute
* Show all working
* Use a calculator
* Write down the unit of measurement

**Example 1** - Convert 212 ° F to ° C

**° C = ( ° F -32 ) ÷ 1.8**

= ( 212 – 32) ÷ 1.8

= 100 ° C

**Example 2** - Convert 180 ° C to ° F

**° F = ( 1.8 X ° C) + 32**

= (1.8 X 180 ) + 32

= 356 °F

**Activity 4**

Convert the following

1. 100 °C 🡪 °F

2. 220 °C 🡪 °F

3. 356 °F 🡪 °C

4. 122 °F 🡪 °C