

### **ACTIVITY**

TEACHER'S NAME

NAME OF THE ACTIVITY

Květoslava

Metric - US / Imperial units

Time: 20-30 minutes

Language level: Pre-Intermediate to Upper-Intermediate

Language focus: differences between metric and imperial system

Aim: Ss will learn and understand the differences between metric and

imperial system

Ss will learn the vocabulary of imperial units

Preparation:

Materials:

print worksheet

worksheet for Ss

#### Procedure:

- Ss work alone
- T introduces the topic by asking Ss questions as shown on the worksheet
- Ss work out the answers to task 1 by using the tables (units of length and mass) given
- Feedback: -Ss check in pairs
  - group / class feedback
- Ss work out the answers to task 2 by using the picture given
- Feedback: -Ss check in pairs
  - group / class feedback
- Ss work out the answers to task 3 by using the table (units of volume) given
- Feedback: -Ss check in pairs
  - group / class feedback



## Metric - US/Imperial units

### Has anyone ever told you ...

- that he is six feet tall and you had no idea whether it was tall or short? Was he tall enough to play basketball?
- that she had a baby who weighed 8 pounds ... and you wondered if it was a little or a big baby?
- that the temperature was 52 degrees outside and you had no idea whether it was warm or cold?

Look at the following tables to find out about the differences between the metric and imperial units.

### Length

Metric			US or Imperial
1 millimeter [mm]		<b>→</b>	0.03937 in
1 centimeter [cm]	10 mm	<b>→</b>	0.3937 in
1 meter [m]	100 cm	<b>→</b>	1.0936 yd
1 kilometer [km]	1000 m	<b>→</b>	0.6214 mile

US or Imperial			Metric
1 inch [in]		<b>→</b>	2.54 cm
1 foot [ft]	12 in	<b>→</b>	0.3048 m
1 yard [yd]	3 ft	<b>→</b>	0.9144 m
1 mile	1760 yd	<b>→</b>	1.6093 km
1 int nautical mile	2025.4 yd	<b>→</b>	1.853 km

## Mass

Metric			US or Imperial
1 milligram [mg]		<b>→</b>	0.0154 grain
1 gram [g]	1,000 mg	<b>→</b>	0.0353 oz
1 kilogram [kg]	1,000 g	<b>→</b>	2.2046 lb
1 tonne [t]	1,000 kg	<b>→</b>	1.1023 short ton
1 tonne [t]	1,000 kg	<b>→</b>	0.9842 long ton

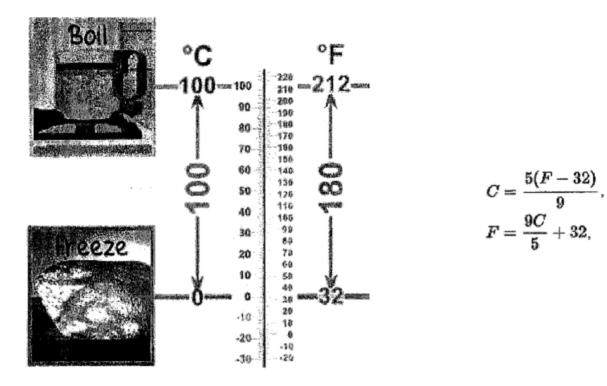
US or Imperial			Metric
1 ounce [oz]	437.5 grain	<b>→</b>	28.35 g
1 pound [lb]	16 oz	<b>→</b>	0.4536 kg
1 stone	14 lb	<b>→</b>	6.3503 kg
1 hundredweight [cwt]	112 lb	<b>→</b>	50.802 kg
1 short ton (US)	The second secon	<b>→</b>	0.9072 t
1 long ton (UK)		<b>-</b>	1.0160 t

TASK 1: Write the missing numbers with the help of the tables above.

185 cm	ft
m	13 yard
m	15 mile
ft	0.914 m
yard	17 km
2 m	in
3 dm	in
6 m	yard
15 in	cm
3.2 mile	km

2 oz	g
17 lb	kg
2 kg	lb
13 grain	g
20 stone	kg
50 kg	1b
500 g	lb
17 mg	kg
1 t	stone
19 lb	kg

## Temperature



TASK 2. Write the missing numbers. The picture above will help you.

32° C	32° F	-20° F	-20 ° C	100° C	100° F
 °F	°C	°C	°F	°F	°C

Typical Temperatures

\\earticle	"F	Description
180	356	Moderate Oven
100	212	Water boils
40	104	Hot Bath
37	98.6	Body temperature
30	86	Beach weather
21	70	Room temperature
10	50	Cool Day
0	32	Freezing point of water
-18	0	Very Cold Day
-40	-40	Extremely Cold Day (and the same numbert)
	(bo	ld are exact)

# Volume/Capacity

Metric			US Measure	Imperial	
1 cu cm [cm <sup>3</sup> ]		<b>→</b>	0.0610 in <sup>3</sup>		
1 cu decimeter [dm <sup>3</sup> ]	1,000 cm <sup>3</sup>	<b>→</b>	0.0353 ft <sup>3</sup>		
1 cu meter [m <sup>3</sup> ]	1,000 dm <sup>3</sup>	<b>→</b>	1.3080 yd <sup>3</sup>		
1 liter [l]	1 dm³	<b>→</b>	2.113 fluid pt 1.7598		

US Measure Imperial			Metric
1 cu inch [in <sup>3</sup> ]		<b>→</b>	16.387 cm <sup>3</sup>
1 cu foot [ft <sup>3</sup> ]		<b>→</b>	0.02832 m <sup>3</sup>
1 fluid ounce	1 fluid ounce 1.0408 UK fl oz		29.574 ml
1 pint (16 fl oz)	0.8327 UK pt	<b>→</b>	0.4732 liters
1 gallon (231 in <sup>3</sup> )	0.8327 UK gal	<b>→</b>	3.7854 liters

TASK 3. Write the missing numbers with the help of the table above.

2 pt	120 gal	100	1000	0.5 l
L	I,m³	gal	gəl	pt