

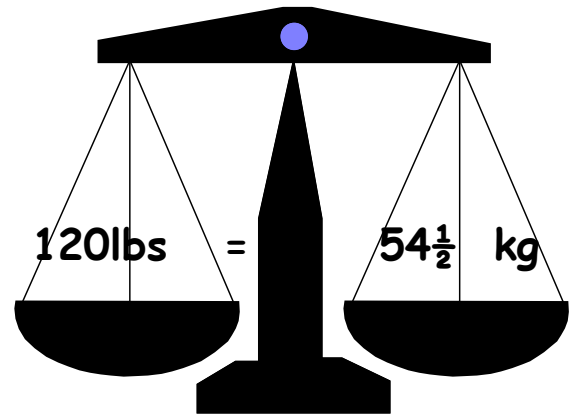
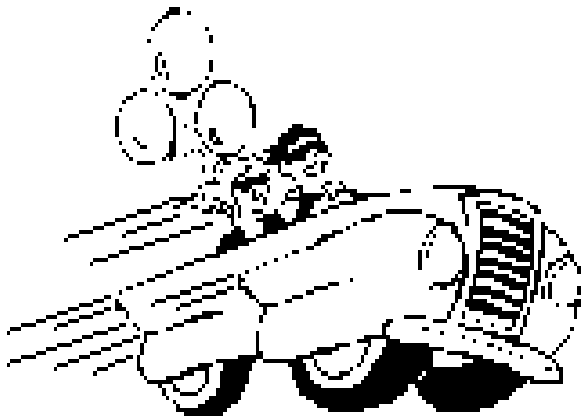
# fs4u

## Converting using Scales & Tables

### ‘How To’ Booklet 18

# Converting Using Scales & Tables

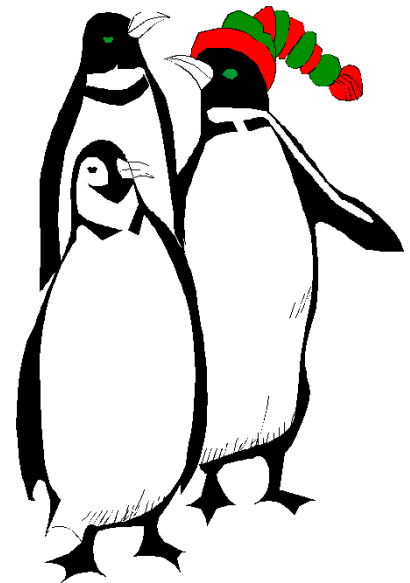
$$112 \text{ kph} = 70 \text{ mph}$$



$$80^{\circ}\text{F} = 27^{\circ}\text{C}$$



$$20^{\circ}\text{F} = - 6\frac{1}{2}^{\circ}\text{C}$$



# Converting Using Scales & Tables

## Conversion Table: Pounds to Kilograms

Pounds lb	Kilograms kg		Pounds lb	Kilograms kg
1	0.45		10	4.54
2	0.91		20	9.07
3	1.36		30	13.61
4	1.81		40	18.14
5	2.27		50	22.68
6	2.72		60	27.22
7	3.18		70	31.75
8	3.63		80	36.29
9	4.08		90	40.81

### Example

Convert 12 pounds to kilograms using the table

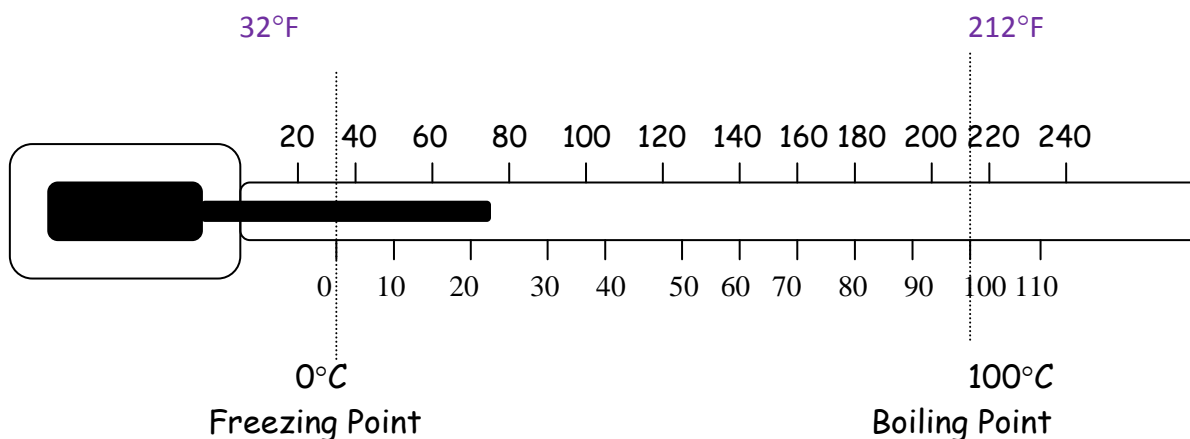
$$12\text{lb} = 10\text{lb} + 2\text{lb} = 4.54\text{kg} + 0.91\text{ kg} = 5.45\text{ kg}$$

### Activity

Using the conversion table, convert the following quantities in pounds to kilograms.

1	13 lb	6	28 lb
2	22 lb	7	49 lb
3	34 lb	8	65 lb
4	56 lb	9	86 lb
5	78 lb	10	97 lb

# Conversion Scales



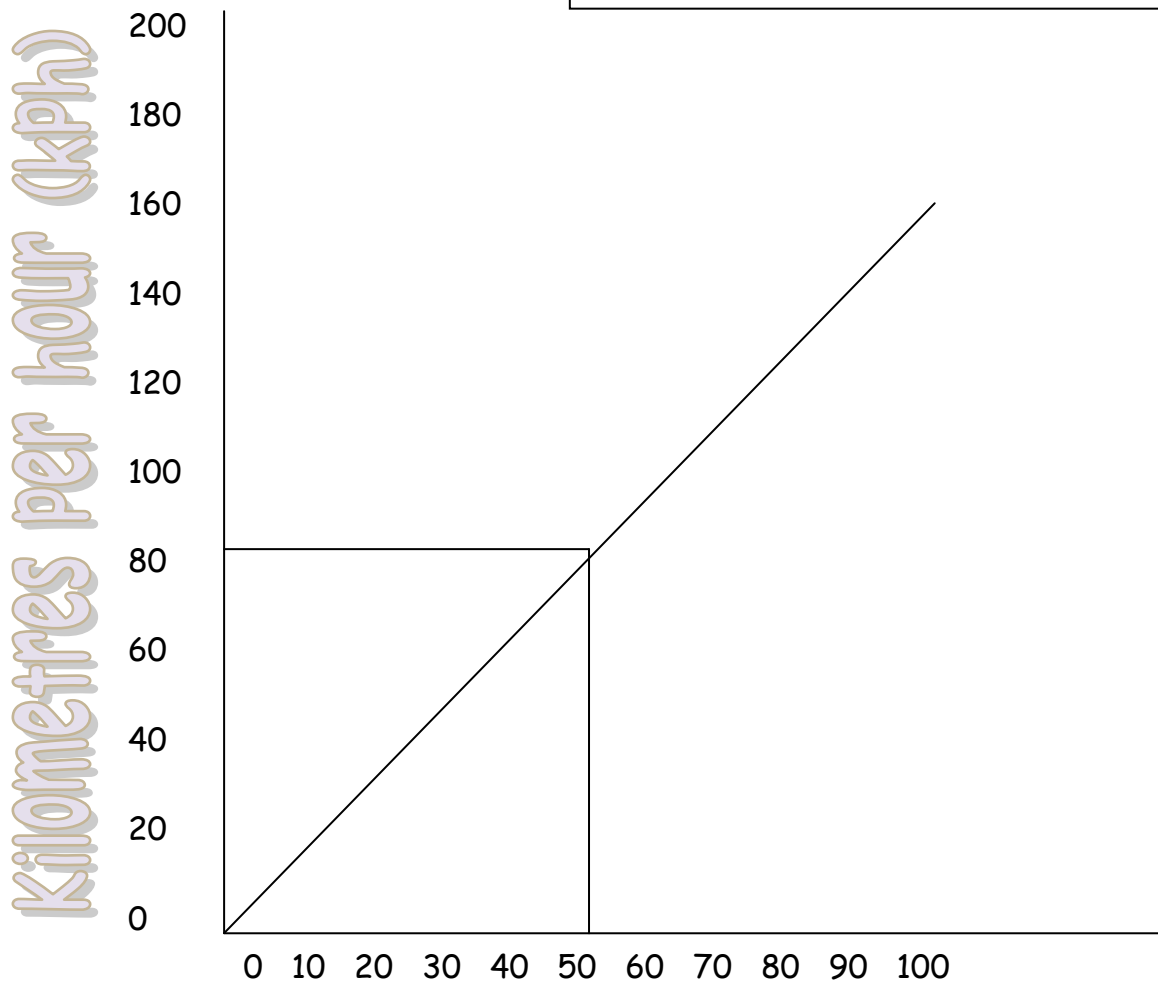
## Activity

1	Using the conversion scale above convert the following temperatures in Centigrade (°C) to Fahrenheit (°F)			
	a	20°C	f	90°C
	b	60°C	g	5°C
	c	100°C	h	35°C
	d	10°C	i	65°C
	e	50°C	j	85°C
2	Using the conversion scale above convert the following temperatures in Fahrenheit (°F) to Centigrade (°C)			
	a	40°F	f	70°F
	b	80°F	g	110°F
	c	120°F	h	150°F
	d	160°F	i	190°F
	e	200°F	j	20°F

# Conversion Graph

## CONVERSION GRAPH

Miles per hour to kilometres per hour



**MILES PER HOUR (mph)**

$$50\text{mph} = 80\text{kph}$$

## Activity

Convert 50 mph to km/hr = 80 km

## Activity

<b>1</b>	Using the conversion graph convert the following from mph to km/hr			
	a	20 mph	f	70 mph
	b	40 mph	g	85 mph
	c	80 mph	h	35 mph
	d	10 mph	i	15 mph
	e	50 mph	j	67 mph
<b>2</b>	Using the conversion graph convert the following from km/hr to mph			
	a	10 km/hr	f	65 km/hr
	b	50 km/hr	g	105 km/hr
	c	90 km/hr	h	145 km/hr
	d	130 km/hr	i	37 km/hr
	e	25 km/hr	j	118 km/hr