

## MNU 4-01a

## Homework 3

## Silver Level

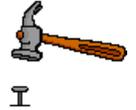


## Outcome 1

## Outcome 2

## Tolerance Values

## Tolerance Notation



For each of the following tolerances, write down the minimum (min) and maximum (max) allowable sizes...



Write each of the following in tolerance form...

$(37 \pm 1.8) \text{ m}$        $(85 \pm 9.3) \text{ cm}$

min = 73 mm  
max = 76 mm

min = 12 cm  
max = 21 cm

$(44 \pm 6.7) \text{ mm}$        $(68 \pm 2.5) \text{ km}$

min = 100 m  
max = 107 m

min = 888 km  
max = 943 km

$(5.2 \pm 0.3) \text{ kg}$        $(72.9 \pm 0.5) \text{ ml}$

min = 64 kg  
max = 69 kg

min = 2 litres  
max = 15 litres

$(2.87 \pm 0.09) \text{ g}$        $(3.63 \pm 0.05) \text{ }^\circ\text{C}$

min = 438 ml  
max = 511 ml

min = 11  $^\circ\text{C}$   
max = 34  $^\circ\text{C}$