

MNU 4-01a

Homework 3

Silver Level



Outcome 1

Tolerance Values

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



1

 $(37 \pm 1.8) \text{ m}$

2

 $(85 \pm 9.3) \text{ cm}$

3

 $(44 \pm 6.7) \text{ mm}$

4

 $(68 \pm 2.5) \text{ km}$

5

 $(5.2 \pm 0.3) \text{ kg}$

6

 $(72.9 \pm 0.5) \text{ ml}$

7

 $(2.87 \pm 0.09) \text{ g}$

8

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

Outcome 2

Tolerance Notation



Write each of the following in tolerance form...

1

min = 73 mm
max = 76 mm

2

min = 12 cm
max = 21 cm

3

min = 100 m
max = 107 m

4

min = 888 km
max = 943 km

5

min = 64 kg
max = 69 kg

6

min = 2 litres
max = 15 litres

7

min = 438 ml
max = 511 ml

8

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